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Data Visualization

December 1, 2023 - December 16, 2024

Data Visualization

Legal analytics help lawyers and customers find solutions to legal problems based on various data-driven results both relevant and identical. Analytics help customers find detailed results based on past/existing cases and experiences from others in the United States.

Areas of Focus

Because customers rely on data and content that correlates with their legal searches, it is important that visual data is consistent across a single or multiple products.

This data visualization project involves realistic and conceptual design data exploration through experimentation, trial and error testing, and implementation of the LN colors with WCAG compliance standards.

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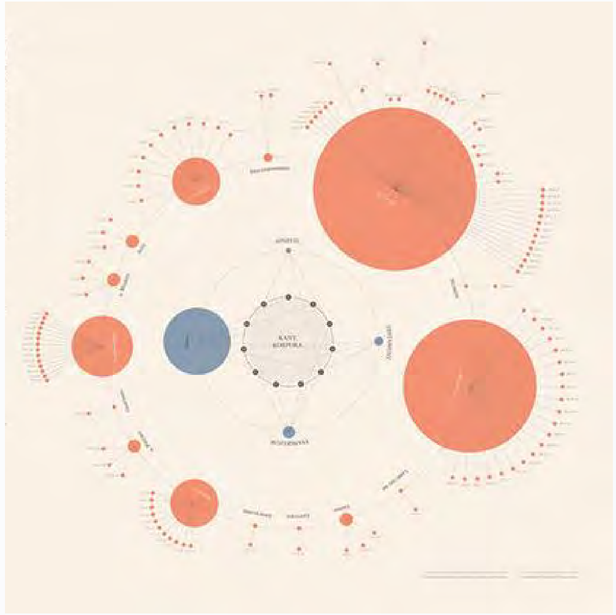
1 / Information and Inspiration Discovery
2 / Color Identification and Graph Audit
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4 / Identifying Color Problems and Solutions
5 / Categories for Colors, Light and Dark
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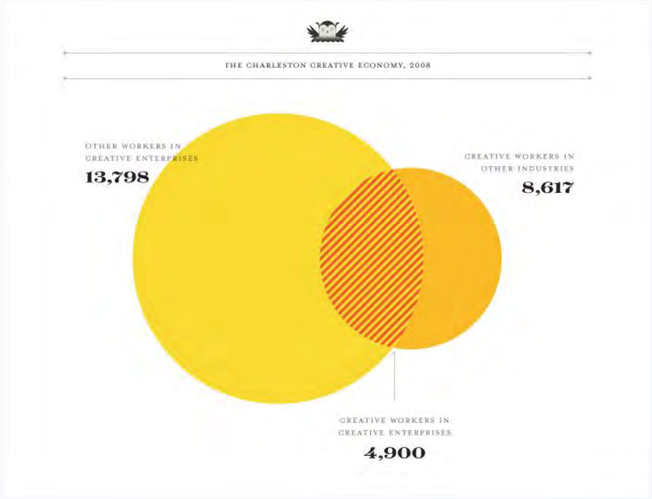
1 / Information and Inspiration Discovery (Print and Digital)

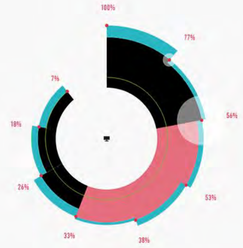
Rich data analytics today are often used in product dashboard interfaces for users to track the data usage of products or customer results.

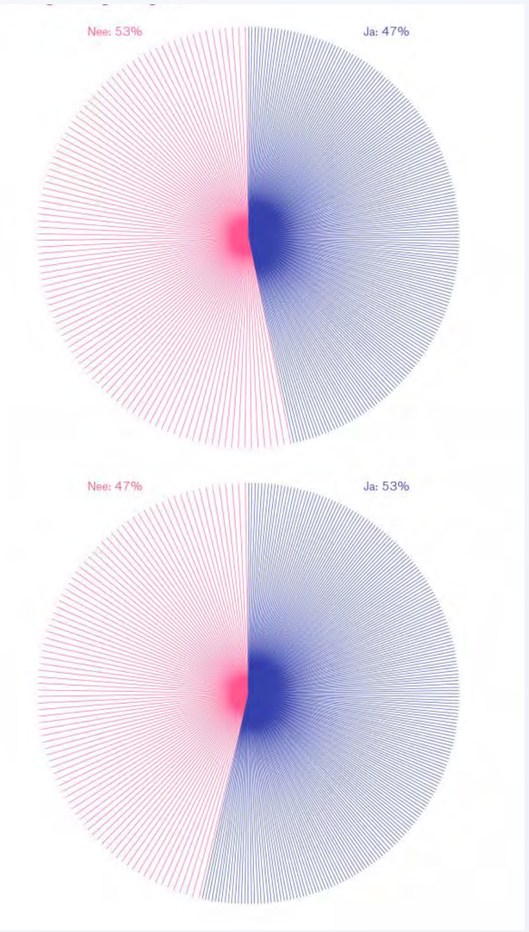
The ability to track data of customers in a detailed fashion is a powerful tool. Depending on a company’s product focus, the analytical interface will vary and so will the details being tracked.

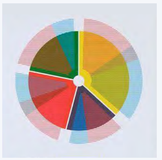
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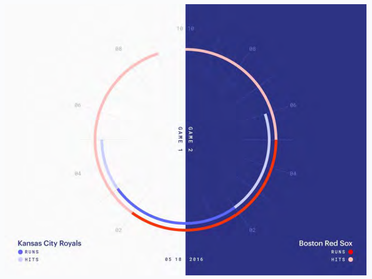


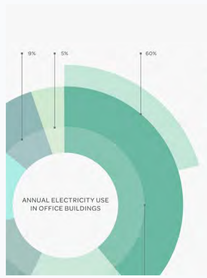


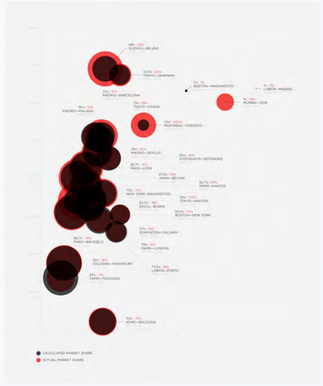








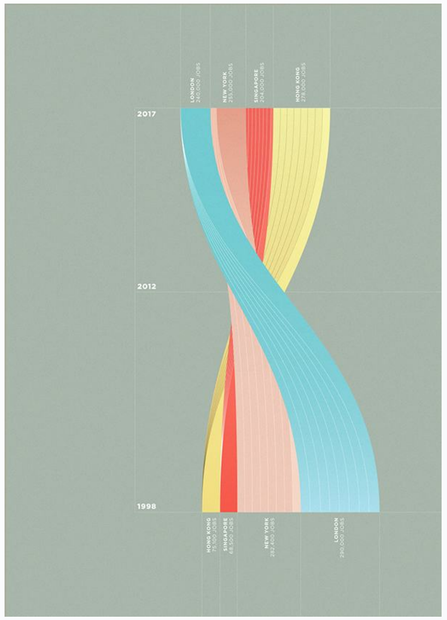




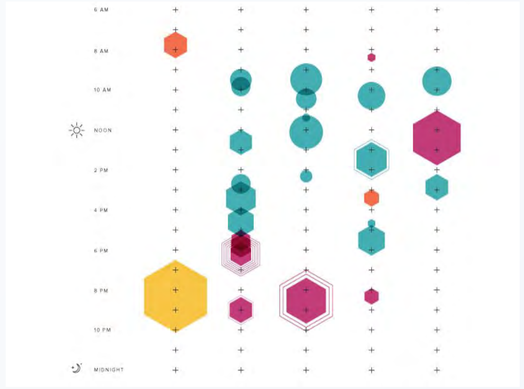


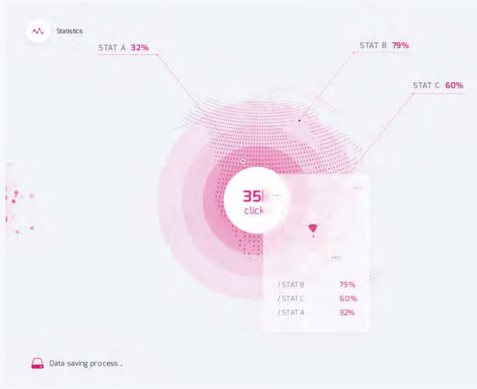


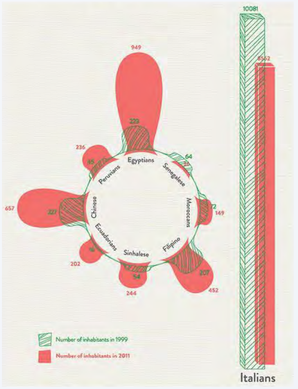
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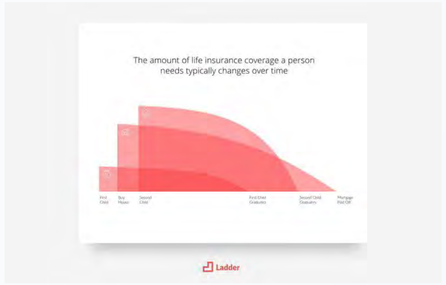


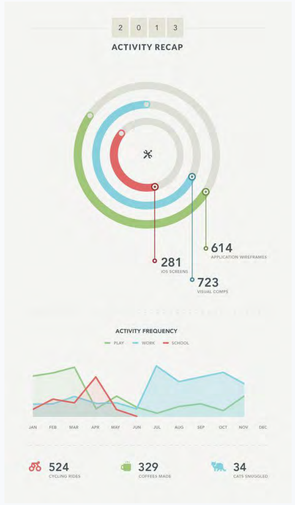


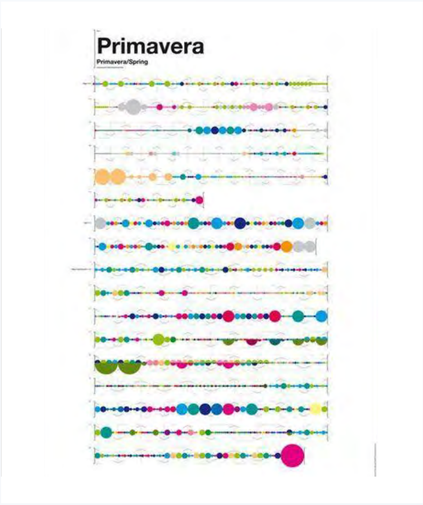


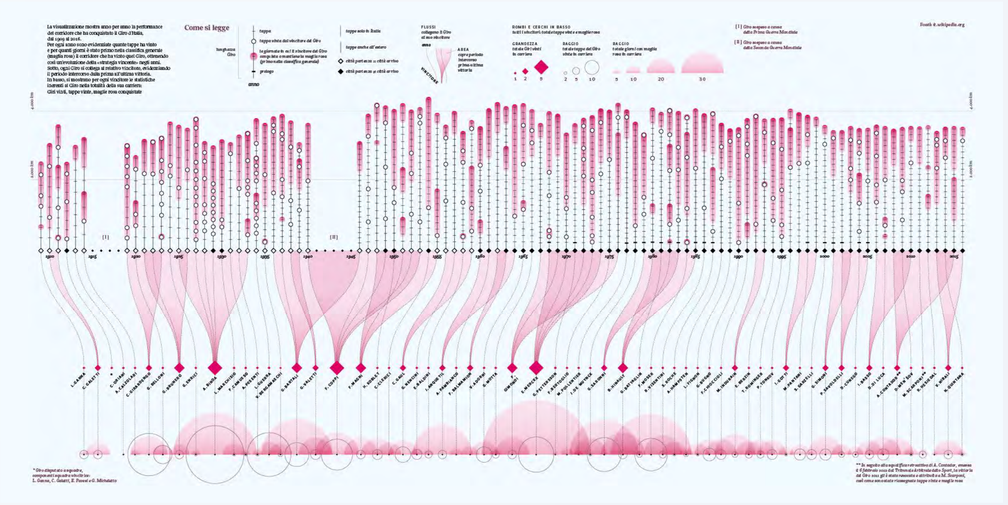




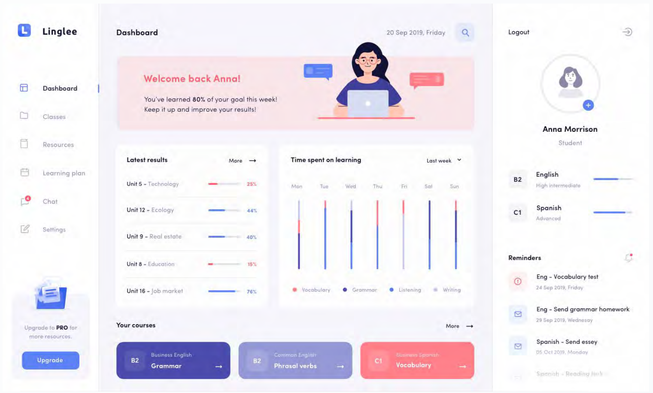








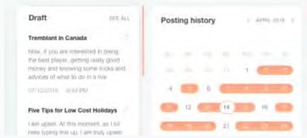
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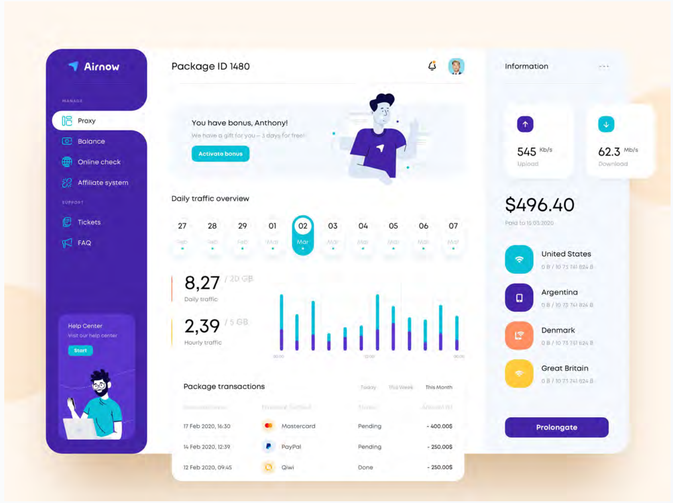








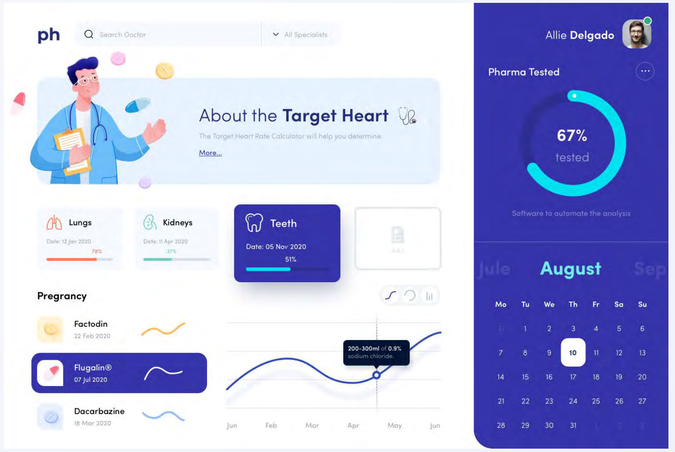




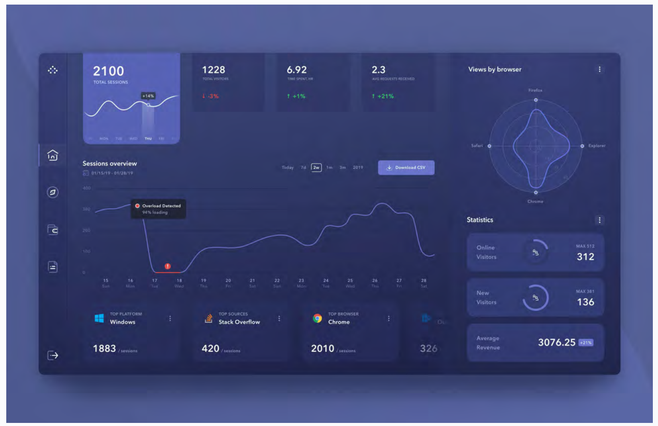






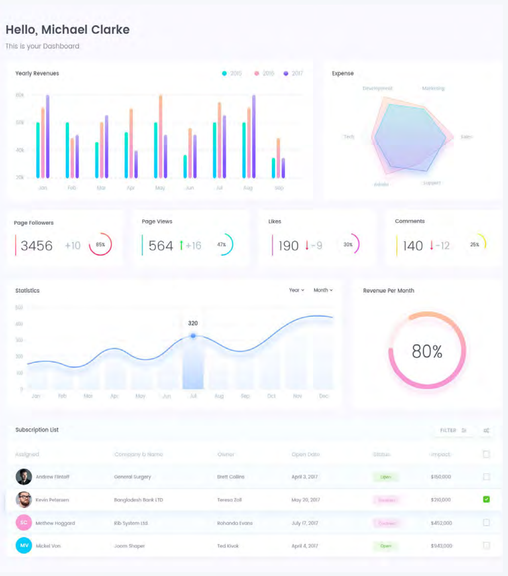


1 / Information and Inspiration Discovery (Digital) – Continued



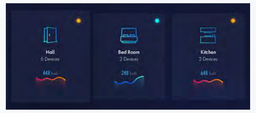




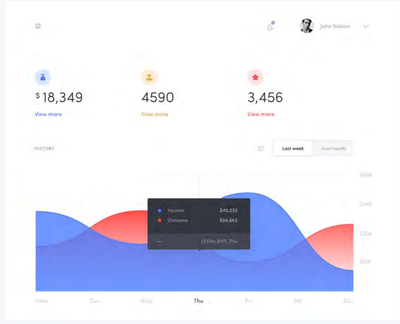




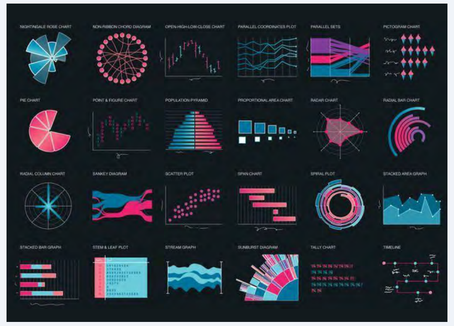




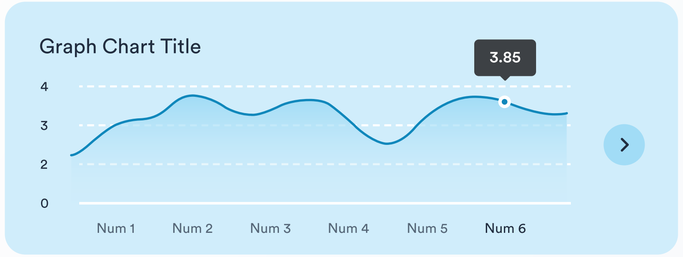


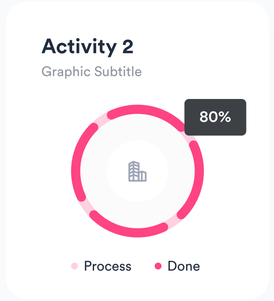


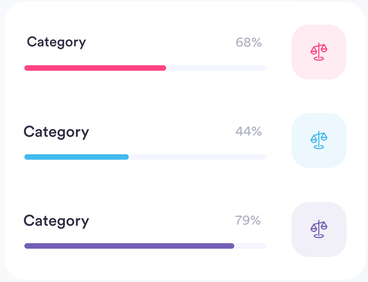


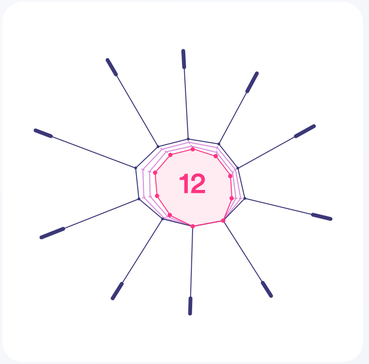


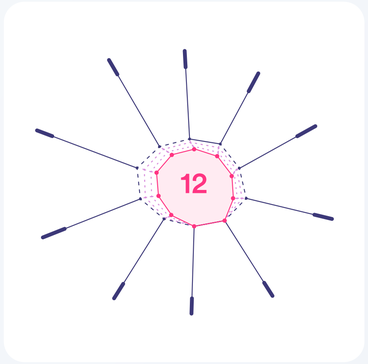
1 / Information and Inspiration Discovery (Conceptual Designs)

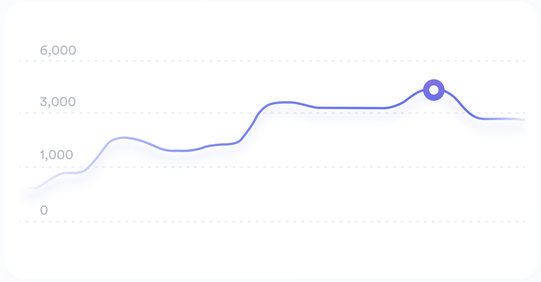


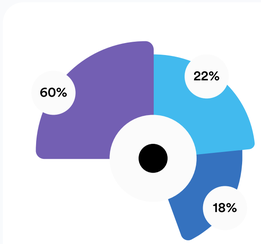




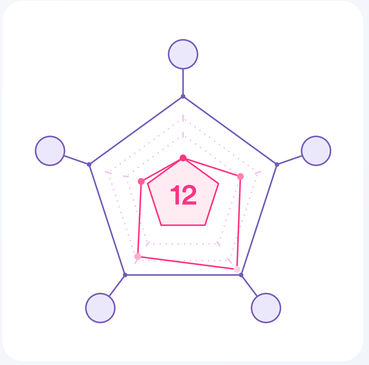


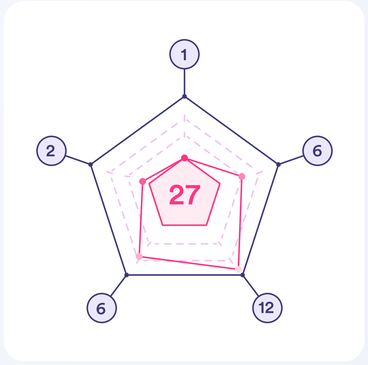


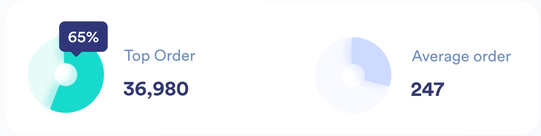


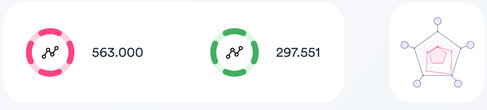












2 / Color Identification and Graph Audit

With existing analytics that we currently use in Context, and Lex Machina, we can create better visual representations of the legal data we have. Using specific brand colors from our LN color palette, scalable effects, interactive graphics, we can design, develop, experiment, and implement better data analytics for the products of LexisNexis.

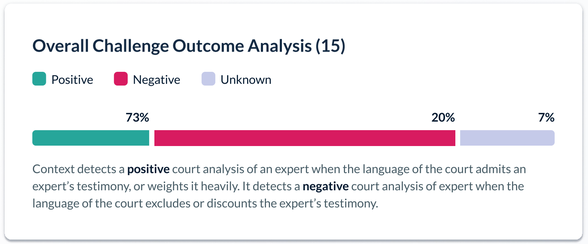
From past experience with LexisNexis, I've come to understand that the visual data may need to appear in a practical manner due to the variation of data categories shown throughout multiple products.

Chart Types used by LexisNexis as of 12/5/2024:

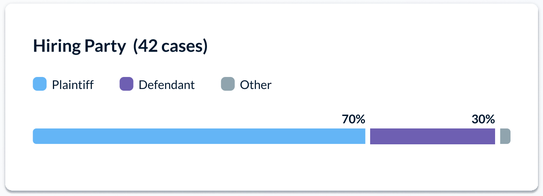
– 1. Comparisons – Simple Bar, Grouped Bar, Bubble, Word Cloud
– 2. Trends – Line, Area, Box Plot, Histogram
– 3. Part-to-Whole – Donut, Pie, Stacked Bar, Stacked Area

2 / Color Identification and Graphs Audit (Bar Graphs and ADA Compliant colors)

Material Palette Colors used in Context



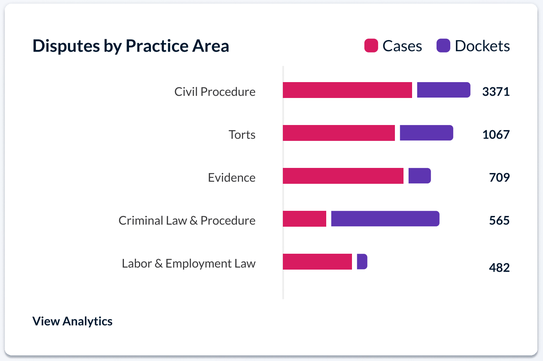
Teal #400 - Hex: #26A69A
Pink: #800 - Hex: #D81B60
Indigo #100 - Hex: #C5CAE9



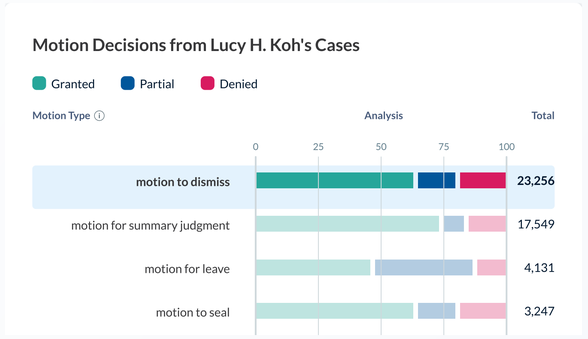
Blue #300 - Hex: #64B5F6
Deep Purple 70% of #900
Hex: #311B92 to #6E5FB2
Blue Grey #300 - Hex: #90A4AE



Teal #600 - Hex: #00897B



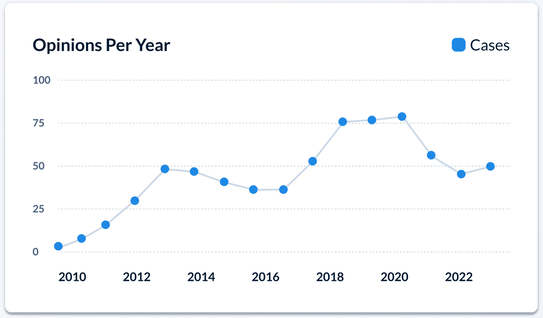
Pink: #800 - Hex: #D81B60
Deep Purple: #600 - Hex: #5E35B1



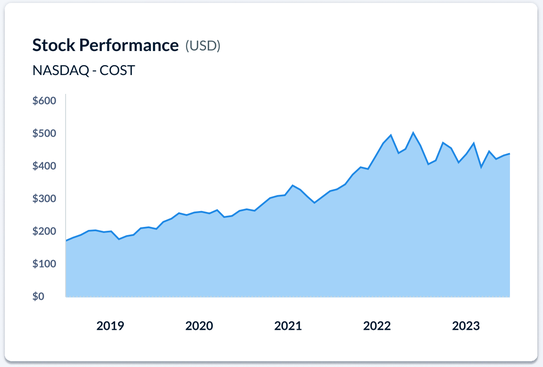
Teal #400 - Hex: #26A69A
Pink: #800 - Hex: #D81B60
Light Blue #900 - Hex: #01579B



Blue #600 - Hex: #1E88E5



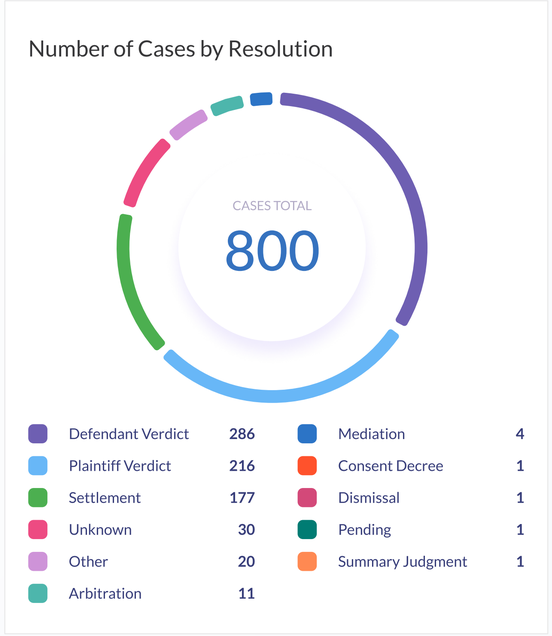
Blue #600 - Hex: #1E88E5

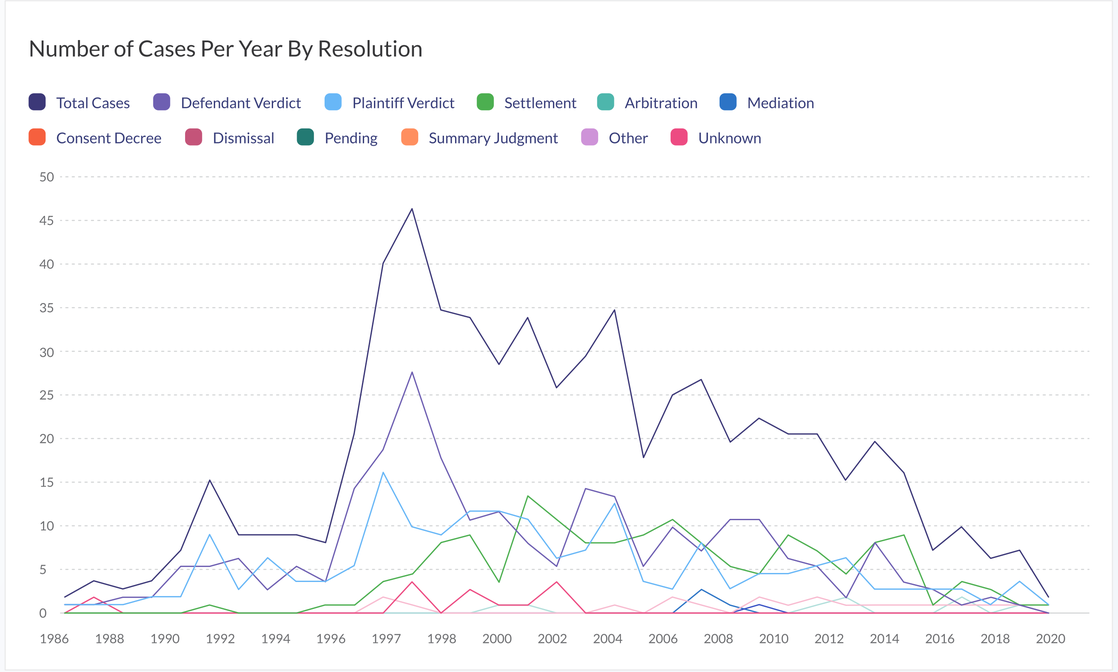


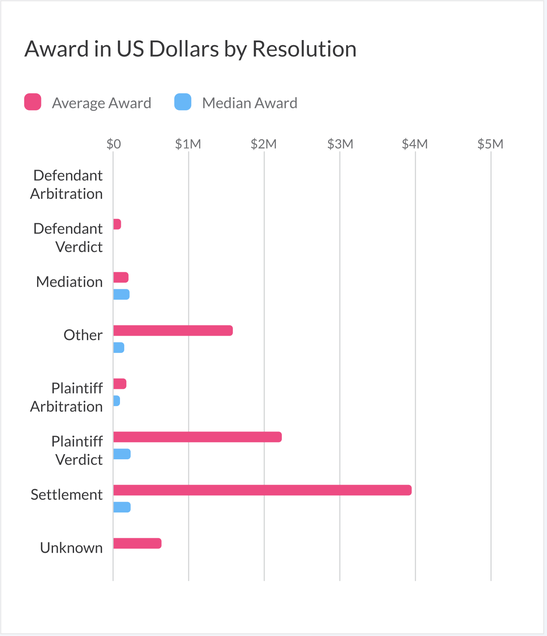
Blue #600 - Hex: #1E88E5

2 / Color Identification and Graphs Audit (Bar Graphs and ADA Compliant colors)

Material Palette Colors used in Verdict and Settlement Analyzer







Mix (Deep Purple #300 + Dark Theme #300 / **Total Cases**
Mix #9575CD and #687C96
Deep Purple 70% of #900 / **Defendant Verdict**
Blue 80% of #400 - #42A5F5 / **Plaintiff Verdict**
Green #400 - Hex: #4CAF50 / **Settlement**
Teal #300 - Hex: #4DB6AC / **Arbitration**
Blue 90% of #800 - Hex: #1565C0 / **Mediation**
Orange Red 90% of #600 - Hex: #F4511E / **Consent Decree**
Mix (LN Red #200 + Purple #200 / **Dismissal**
Mix #9575CD and #CE93D8
Orange Red #300 - Hex: #FF8A65 / **Summary Judgment**
Purple #200 - Hex: #CE93D8 / **Other**
Pink 80% of #500 - Hex: #E91E63 / **Unknown**

Pink #400 - Hex: #EC407A / **Average Award**
Blue #300 - Hex: #64B5F6 / **Median Award**

Importance

The colors shown in every product graph must be documented in a way that will help benefit the customer experience and also be ADA compliant.

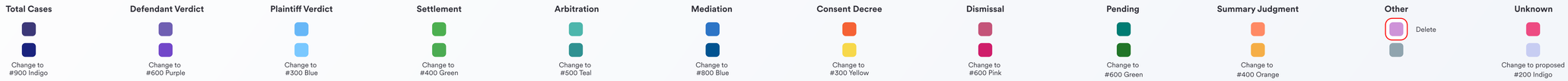
3 / Visual Material Color Palette Alignments

After learning that the LN color palette was updated, I focused on matching each color as close as possible to what I already had implemented.

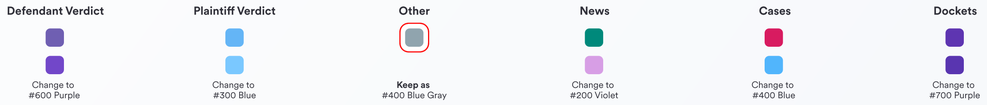
I discovered that some colors needed adjustments due to particular colors being too dark or too light for ADA compliance needs when it pertained to graphs and mood colors. I collaborated with other designers to resolve this.

3 / Visual Material Color Palette Alignments (In-depth Work)

VSA Colors



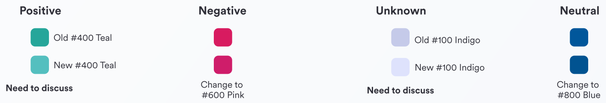
Context Colors



Lex Machina Colors



Mood Colors - In Context



Findings:

– 1. Category “Unknown” – The initial #100 replacement color was too light, I used a #200 color with a gray tone.

– 2. Lex Machina Categories – “Cases” was the only color that was ADA compliant, I opted to try #A (accent) colors that may work for graph designs and are recognizable.

– 3. Category Colors – The goal is to synchronize color with a category that will work for every product.

3 / Visual Material Color Palette Alignments (In-depth Work)

Addressing Color Adjustment Needs

Mood Color – Unknown

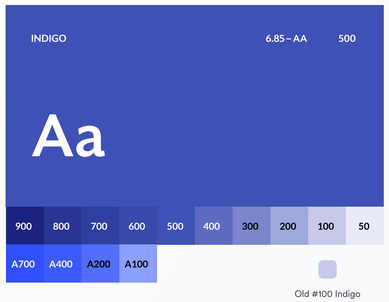
Used in – Context, VSA, and Lex Machina

- Old #100 Indigo
- New #100 Indigo
- Proposed new #200 Indigo

Problem: New color is too light for use in graphs

The new version of #100 indigo was too bright to be used as a graph color, where the old #100 was darker. I have dropped the S and B on Indigo #200 by 3 points to make it more in line with the older color that I would need for graph color. I have an example of this below.

Old



Graph Color – Cases

Used in – Context, Litigation Analytics, and Lex Machina

- #800 Pink - Hex: #D81B60
- Changed to #400 Blue
- Lex Machina Blue

Problem: Needs a color change to align with products

The category for Cases needs a graph color that is less striking on a product page. The color must also work in Litigation Analytics which also uses Lex Machina colors. #400 Blue is the closest match.

Current

50	#EBEDFC
100	#DEE3FC
200	#C5CDFA
300	#A8B3F0
400	#8B99E8
500	#7081E5
600	#495CCC
700	#3749B8
800	#283593
900	#1A237E

Existing

Proposed

50	#EBEDFC
100	#DEE3FC
200	#C7CDF2
300	#A8B3F0
400	#8B99E8
500	#7081E5
600	#495CCC
700	#3749B8
800	#283593
900	#1A237E

Proposed change

Lowered S and B by 3 points

Lex Machina Colors

Employer	Mixed	Employee	Union	Non-arbitrable	Unknown	No prevailing party
#600 Cyan	#A700 Yellow-Green	#800 Violet	#A400 Orange-Red	#500 blue	#200 Indigo	#800 Pink

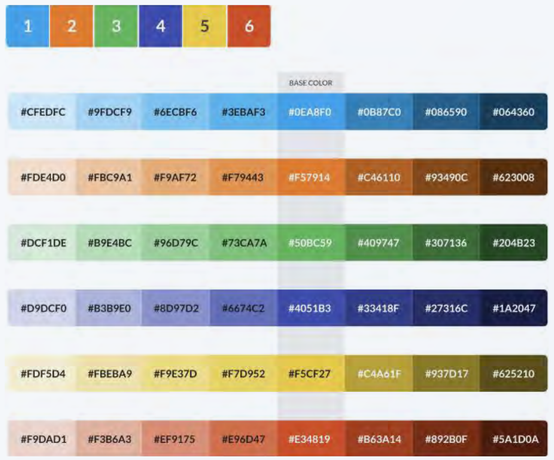
Problem: Lex Machina colors are not ADA compliant

The only color in the Lex Machina color palette that was ADA compliant was blue. When tested with a color blindness checker, the setting for deuteranopia fails.

Solution: Finding discernible colors for every product

I have looked through previous LN color palette systems to test accent colors to apply them. I then tried to apply more colors from the existing palette that are discernible.

Lex Machina - Multiple Entity – Multicolor Chart Colors



3 / Visual Material Color Palette Alignments (Refined Category Palette)

VSA Colors

Total Cases	Defendant Verdict	Plaintiff Verdict	Settlement	Arbitration	Mediation	Consent Decree	Dismissal	Pending	Summary Judgment	Other	Unknown
#900 Indigo	#600 Purple	#300 Blue	#400 Green	#500 Teal	#800 Blue	#300 Yellow	#600 Pink	#600 Green	#400 Orange	#400 Blue Gray	Change to proposed #200 Indigo

Context Colors

Defendant Verdict	Plaintiff Verdict	Other	News	Cases	Dockets
#600 Purple	#300 Blue	#400 Blue Gray	#200 Violet	#400 Blue	#700 Purple

Lex Machina Colors

Employer	Mixed	Employee	Union	Non-arbitrable	No prevailing party	Unknown
#600 Cyan	#A700 Yellow-Green	#800 Violet	#A400 Orange-Red	#500 blue	#800 Pink	Proposed #200 Indigo

Mood Colors - In Context

Positive	Negative	Unknown	Neutral
#400 Teal	#600 Pink	New #200 Indigo	#800 Blue

– Colors used in multiple products

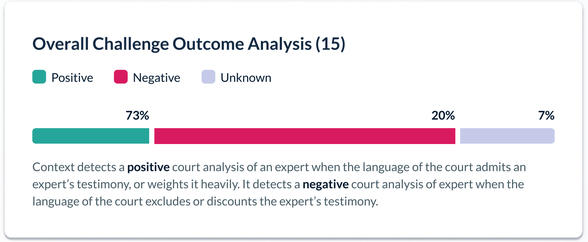
4 / Identifying Color Problems and Solutions

Throughout the entire process of identifying color variations, I discovered that certain bar and line charts displayed a level of complexity that required changes not only to light mode but also to dark mode..

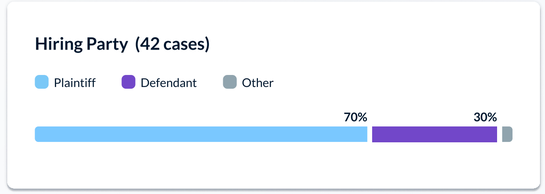
Through trial and error, I experimented with the LN color palette to fine-tune and integrate chart colors throughout a multitude of products.

4 / Identifying Color Problems and Solutions (Light Mode Graphs - Using new LN Colors)

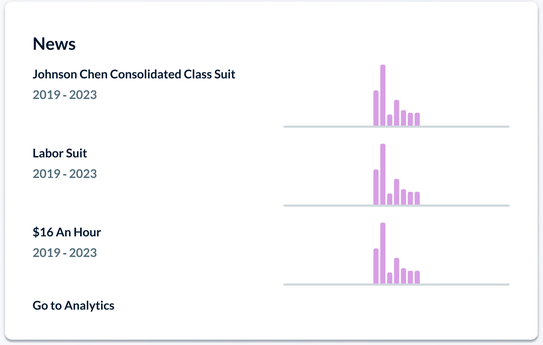
Material Palette Colors used in Context



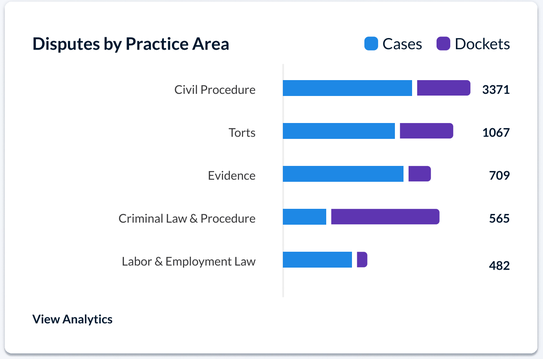
Teal #400 - Hex: #54BFBF
Pink: #600 - Hex: #CF1D6A
Indigo (New) #200 - Hex: #C7CDF2



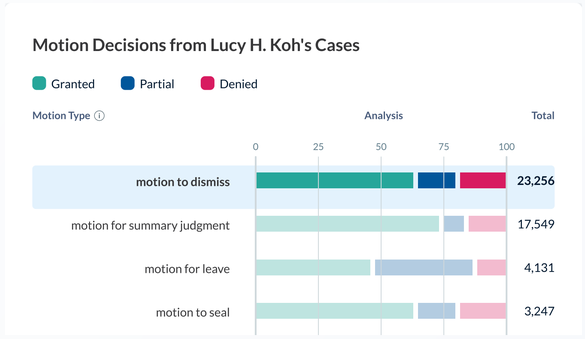
Blue #300 - Hex: #7AC8FF
Purple #600 - Hex: #7247C9
Blue Grey #400 - Hex: #90A4AE



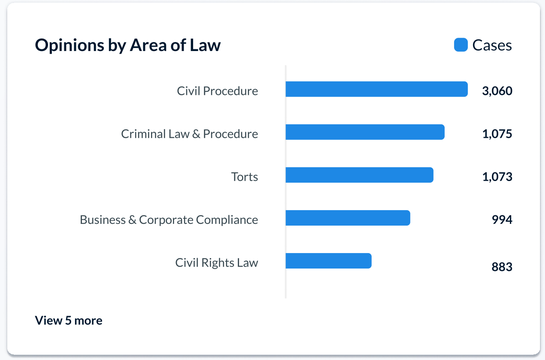
Violet #200 - Hex: #D79EE5



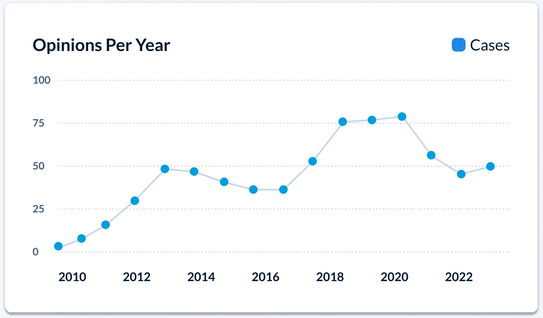
Blue: #400 - Hex: #51B5FC
Purple: #700 - Hex: #5935B0



Teal #400 - Hex: #54BFBF
Pink: #600 - Hex: #CF1D6A
Blue #800 - Hex: #015391

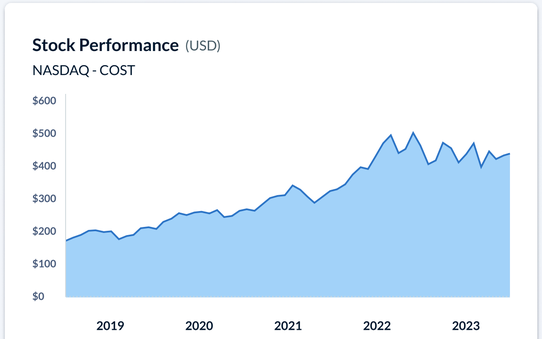


Blue: #400 - Hex: #51B5FC



Blue: #400 - Hex: #51B5FC (Dots)

Blue #400 - Hex: #51B5FC (Line)
H: 205 / S: 97 / L: 85
(Raised L by 20) / #B4DFFE

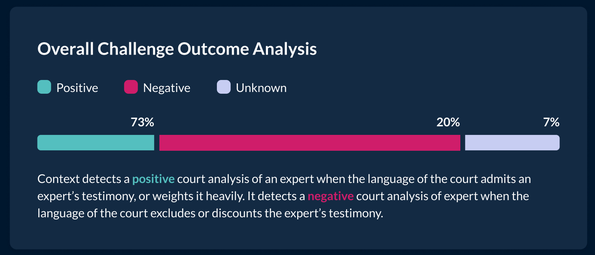


Blue #400 - Hex: #51B5FC (Line)
H: 205 / S: 97 / L: 45 (Lowered L by 20) / #0486E2

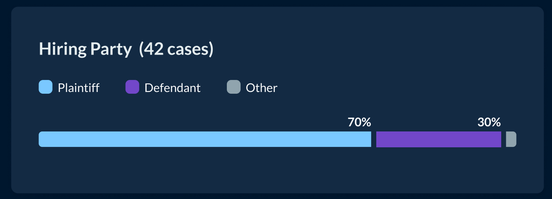
Blue #400 - Hex: #51B5FC (Background)
H: 205 / S: 97 / L: 85 (Raised L by 20) / #B4DFFE

4 / Identifying Color Problems and Solutions (Dark Mode Graphs - Using new LN Colors)

Material Palette Colors used in Context



- Teal #400 - Hex: #54BFBF
- Pink: #600 - Hex: #CF1D6A
- Indigo (New) #200 - Hex: #C7CDF2



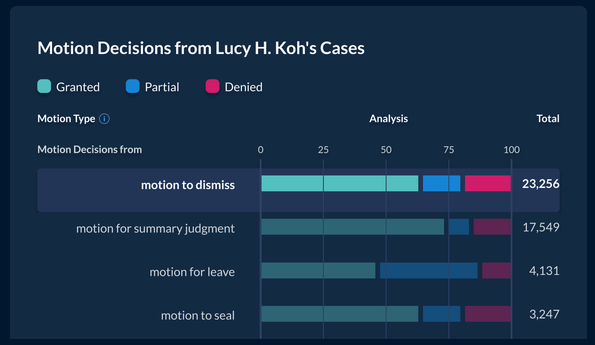
- Blue #300 - Hex: #7AC8FF
- Purple #600 - Hex: #7247C9
- Blue Grey #400 - Hex: #90A4AE



- Violet #200 - Hex: #D79EE5



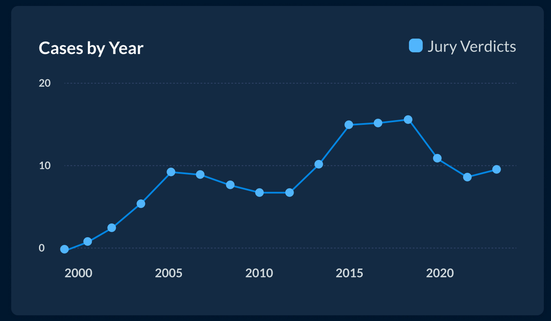
- Blue: #400 - Hex: #51B5FC
- Purple: #700 - Hex: #5935B0



- Teal #400 - Hex: #54BFBF
- Pink: #600 - Hex: #CF1D6A
- Blue #800 - Hex: #015391



- Blue: #400 - Hex: #51B5FC



- Blue: #400 - Hex: #51B5FC (Dots)
- Blue #400 - Hex: #51B5FC (Line)
- H: 205 / S: 97 / L: 45 (Lowered L by 20) / #0486E2



- Blue #400 - Hex: #51B5FC (Line)
- H: 205 / S: 97 / L: 85 (Raised L by 20) / #B4DFFE
- Blue #400 - Hex: #51B5FC (Background)
- H: 205 / S: 97 / L: 45 (Lowered L by 20) / #0486E2

4 / Identifying Color Problems and Solutions (Light Mode Graphs - Using new LN Colors)

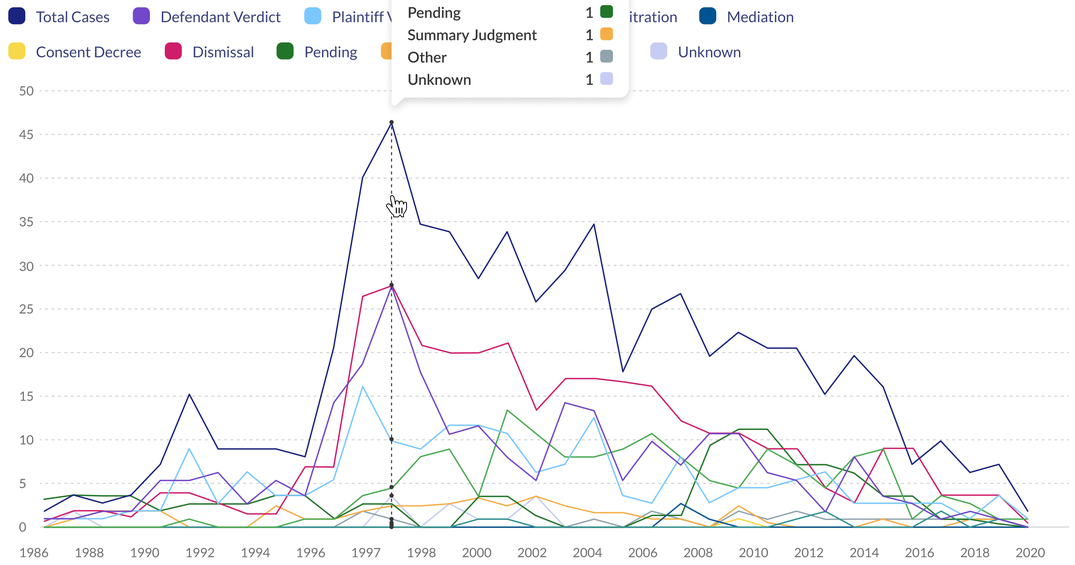
New Material Palette Colors for VSA

Number of Cases by Resolution

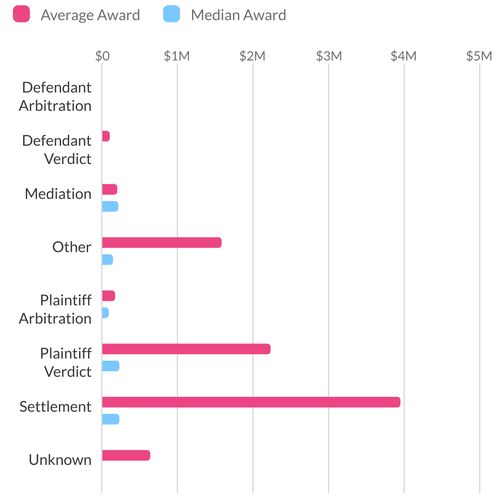


Defendant Verdict	286	Mediation	4
Plaintiff Verdict	216	Consent Decree	1
Settlement	177	Dismissal	1
Unknown	30	Pending	1
Other	20	Summary Judgment	1
Arbitration	11		

Number of Cases Per Year By Resolutio



Award in US Dollars by Resolution



- Indigo #900 - Hex: #1A237E
- Purple: #600 - Hex: #7247C9
- Blue #300 - Hex: #7AC8FF
- Green: #400 - Hex: #4BAB52
- Teal: #500 - Hex: #309191
- Blue #800 - Hex: #015391
- Yellow #300 - Hex: #F7D84A
- Pink: #600 - Hex: #CF1D6A
- Green: #600 - Hex: #217528
- Orange #400 - Hex: #F5AE47
- Blue Gray: #400 - Hex: #90A4AE
- #200 Indigo (proposed) #200 - Hex: #C7CDF2

- Pink #500 - Hex: #EB4683 / **Average Award**
- Blue #300 - Hex: #64B5F6 / **Median Award**

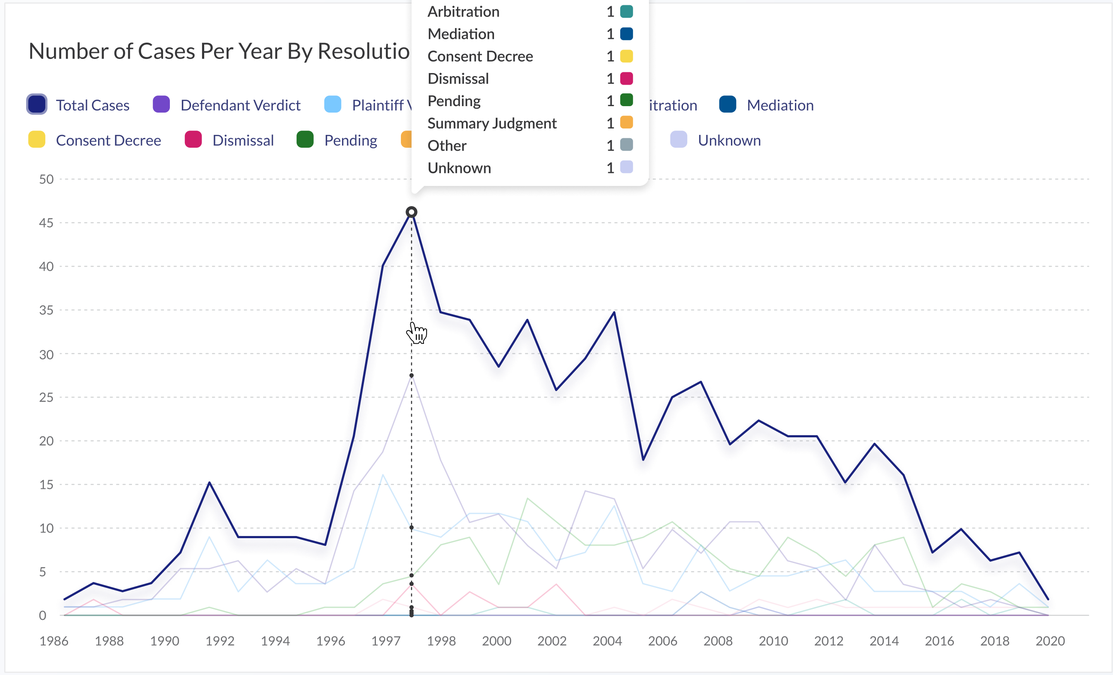
Applying Material Colors

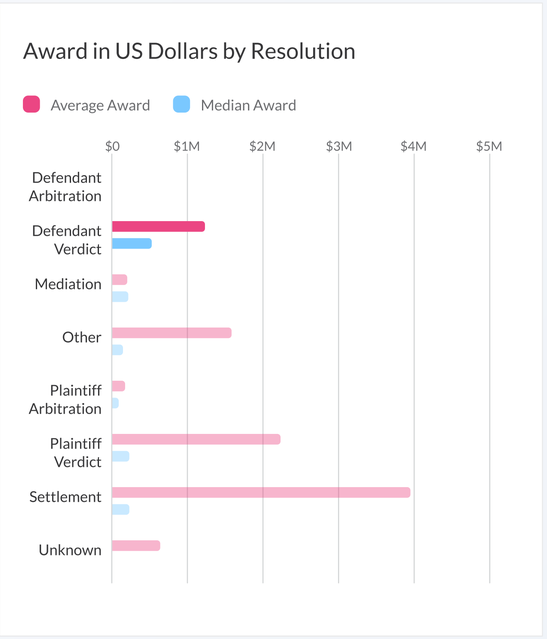
The LexisNexis Material Palette colors allow for vast amounts of color variation and closely matching the existing colors that are already there or redefining the category with its newly appointed color is an easy process.

4 / Identifying Color Problems and Solutions (Light Mode Graphs - Using new LN Colors)

Material Palette Colors used in VSA (with hover-states)







Indigo #900 - Hex: #1A237E
Purple: #600 - Hex: #7247C9
Blue #300 - Hex: #7AC8FF
Green: #400 - Hex: #4BAB52
Teal: #500 - Hex: #309191
Blue #800 - Hex: #015391

Yellow #300 - Hex: #F7D84A
Pink: #600 - Hex: #CF1D6A
Green: #600 - Hex: #217528
Orange #400 - Hex: #F5AE47
Blue Gray: #400 - Hex: #90A4AE
#200 Indigo (proposed) #200 - Hex: #C7CDF2

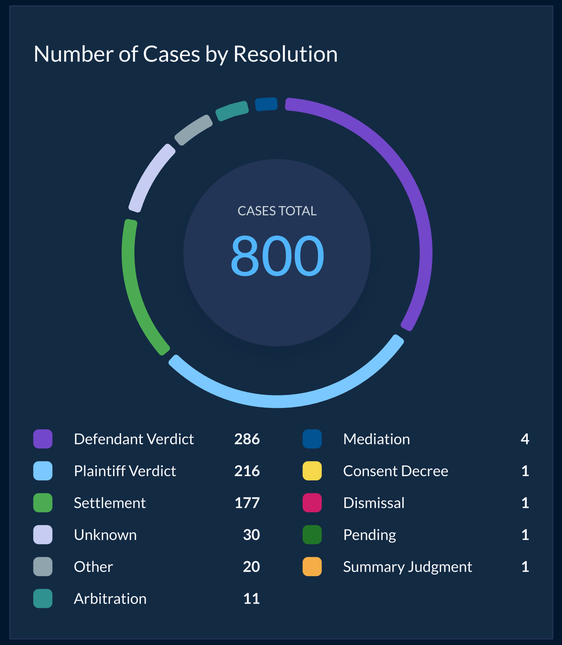
Pink #500 - Hex: #EB4683 / **Average Award**
Blue #300 - Hex: #64B5F6 / **Median Award**

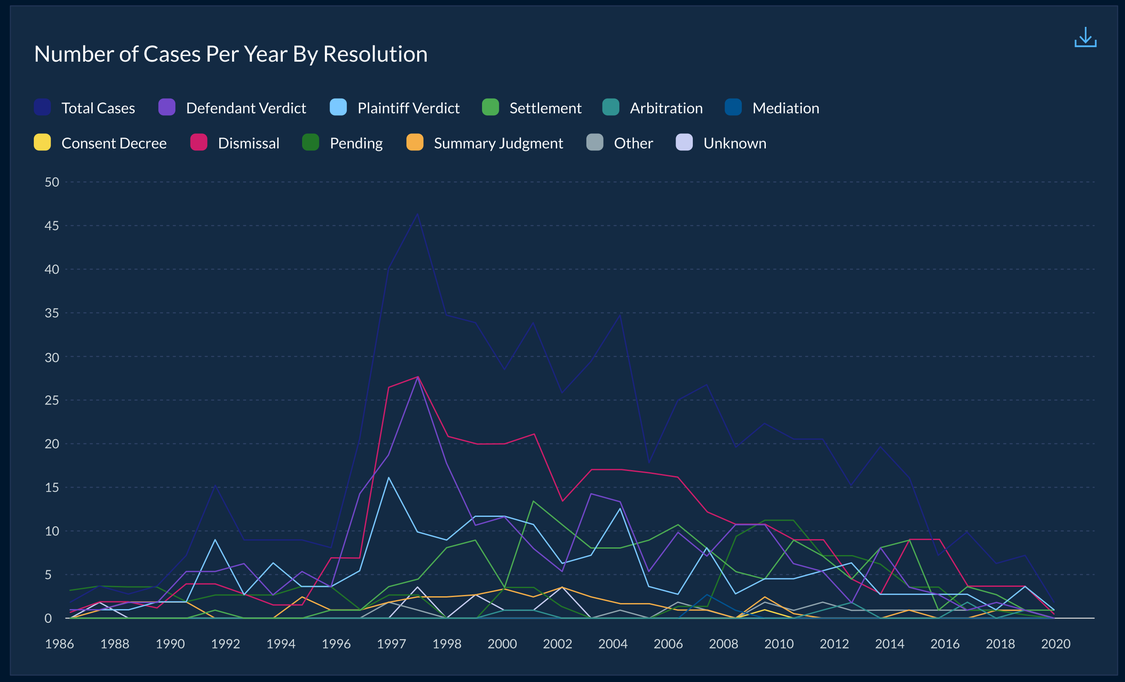
Material Colors and Hover-States

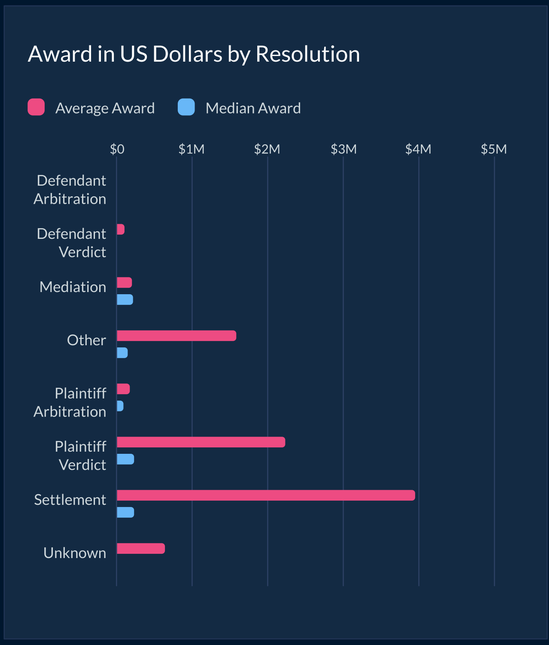
The hover-states created are meant to enhance the visual elements of bar and line charts. With drop-shadows on line chart and subtle selection buttons for donut charts, they allow customers to interact with data easily and view particular elements effectively.

4 / Identifying Color Problems and Solutions (Dark Mode Graphs - Using new LN Colors)

Material Palette Colors used in VSA







- Indigo #900 - Hex: #1A237E
- Purple: #600 - Hex: #7247C9
- Blue #300 - Hex: #7AC8FF
- Green: #400 - Hex: #4BAB52
- Teal: #500 - Hex: #309191
- Blue #800 - Hex: #015391
- Yellow #300 - Hex: #F7D84A
- Pink: #600 - Hex: #CF1D6A
- Green: #600 - Hex: #217528
- Orange #400 - Hex: #F5AE47
- Blue Gray: #400 - Hex: #90A4AE
- #200 Indigo (proposed) #200 - Hex: #C7CDF2

– Colors with visual problems

Material Colors Dark Mode, Problems and Solutions

Problem: Some colors are too dark

Colors #900 Indigo, #600 Purple, and #800 Blue are shown do not display as well in dark mode as in light mode. It might be possible to make adjustments to some or all colors that appear in dark-mode analytics.

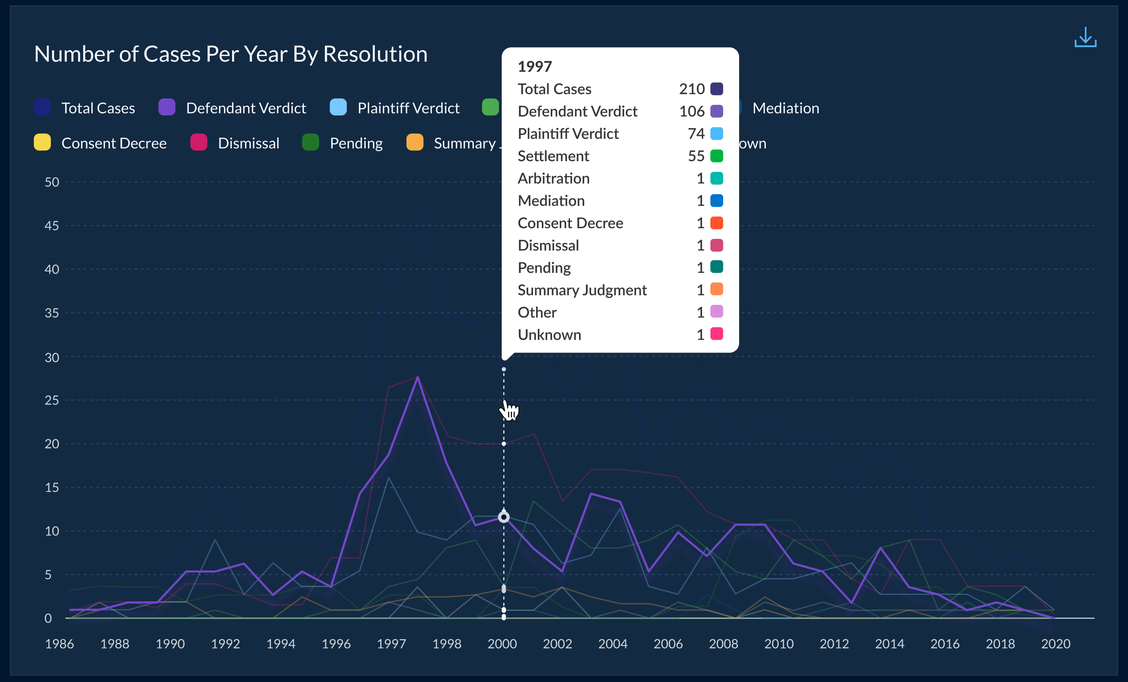
Solution: Adjustments to all colors for dark-mode

It is possible to make adjustments to some or all colors that appear in dark-mode analytics. It's equally important for each color to be differentiated enough to be distinguished as its own color for ADA compliance.

4 / Identifying Color Problems and Solutions (Dark Mode Graphs - Using new LN Colors)

Material Palette Colors used in VSA (with hover-states)







- Indigo #900 - Hex: #1A237E
- Purple: #600 - Hex: #7247C9
- Blue #300 - Hex: #7AC8FF
- Green: #400 - Hex: #4BAB52
- Teal: #500 - Hex: #309191
- Blue #800 - Hex: #015391
- Yellow #300 - Hex: #F7D84A
- Pink: #600 - Hex: #CF1D6A
- Green: #600 - Hex: #217528
- Orange #400 - Hex: #F5AE47
- Blue Gray: #400 - Hex: #90A4AE
- #200 Indigo (proposed) #200 - Hex: #C7CDF2

– Colors with visual problems

Material Colors Dark Mode, Problems and Solutions (Hover-States)

Problem: Some colors appear too dark on hover

When certain colors are selected, all others should lower in opacity while one is selected; however, these graph hover-states are not as visible in dark-mode.

Solution: Adjustments to all colors for dark-mode

Modifying colors may be necessary for dark-mode so that each graph line will be more visible when customers are interacting with it.

5 / Categories for Colors, Light and Dark

After identifying a wide range of colors that are relative to the LN color palette, it was time to match them with existing valid colors for both light and dark mode.

Identifying all colors with a category for both light and dark mode is vital to the visibility of all bar and line charts, so 22 categories now have a corresponding color legend.

5 / Categories for Colors, Light, Dark, and Muted (Light-Mode)

VSA Colors

Total Cases	Defendant Verdict	Plaintiff Verdict	Settlement	Arbitration	Mediation	Consent Decree	Dismissal	Pending	Summary Judgment	Other	Unknown
#900 Indigo	#600 Purple	#300 Blue	#400 Green	#500 Teal	#800 Blue	#300 Yellow	#600 Pink	#600 Green	#400 Orange	#400 Blue Gray	Change to proposed #200 Indigo

Context Colors

Defendant Verdict	Plaintiff Verdict	Other	News	Cases	Dockets
#600 Purple	#300 Blue	#400 Blue Gray	#200 Violet	#400 Blue	#700 Purple

Lex Machina Colors

Employer	Mixed	Employee	Union	Non-arbitrable	No prevailing party	Unknown
#600 Cyan	#A700 Yellow-Green	#800 Violet	#A400 Orange-Red	#500 blue	#800 Pink	Proposed #200 Indigo

Mood Colors - In Context

Positive	Negative	Unknown	Neutral
#400 Teal	#600 Pink	New #200 Indigo	#800 Blue

– Colors used in multiple products

5 / Categories for Colors, Light, Dark, and Muted (Light-Mode Identified)

Color Location - From LN Foundation

Indigo
50 100 200 300 400 500 600 700 800 900
Category: Total Cases

Blue
50 100 200 300 400 500 600 700 800 900
Category: Plaintiff Verdict

Teal
50 100 200 300 400 500 600 700 800 900
Category: Arbitration

Yellow
50 100 200 300 400 500 600 700 800 900
Category: Consent Decree

Green
50 100 200 300 400 500 600 700 800 900
Category: Pending

Blue Grey
50 100 200 300 400 500 600 700 800 900
Category: Other

Blue
50 100 200 300 400 500 600 700 800 900
Category: Cases

Teal
50 100 200 300 400 500 600 700 800 900
Mood Color: Positive

Purple
50 100 200 300 400 500 600 700 800 900
Category: Defendant Verdict

Green
50 100 200 300 400 500 600 700 800 900
Category: Settlement

Blue
50 100 200 300 400 500 600 700 800 900
Category: Mediation
Mood Color: Neutral

Pink
50 100 200 300 400 500 600 700 800 900
Category: Dismissal
Mood Color: Negative

Orange
50 100 200 300 400 500 600 700 800 900
Category: Summary Judgment

Violet
50 100 200 300 400 500 600 700 800 900
Category: News

Purple
50 100 200 300 400 500 600 700 800 900
Category: Dockets

Indigo
50 100 200 300 400 500 600 700 800 900
Category: Unknown
Mood Color: Unknown
Shared with: Lex Machina

Color: #200 / #C5CDFA
Color: #200 / C7CDF2
Proposed Change:
Lowered S and B by 3 points

Violet
50 100 200 300 400 500 600 700 800 900
Category: Employee
Specific for: Lex Machina

Blue
50 100 200 300 400 500 600 700 800 900
Category: Non-arbitrable
Specific for: Lex Machina

Pink
50 100 200 300 400 500 600 700 800 900
Category: No Prevailing Party
Specific for: Lex Machina

Cyan (Accent)
50 100 200 300 400 500 600 700 800 900
Category: Employer
Specific for: Lex Machina

Color: #600 / #00ACC1 **Accent:**
From the old LN Color Palette

Yellow-Green (Accent)
50 100 200 300 400 500 600 700 800 900 A100 A200 A400 A700
Category: Mixed
Specific for: Lex Machina

Color: #A700 / #AEEA00 **Accent:**
From the old LN Color Palette

Orange-Red (Accent)
50 100 200 300 400 500 600 700 800 900 A100 A200 A400 A700
Category: Union
Specific for: Lex Machina

Color: #A400 / #FF3D00 **Accent:**
From the old LN Color Palette

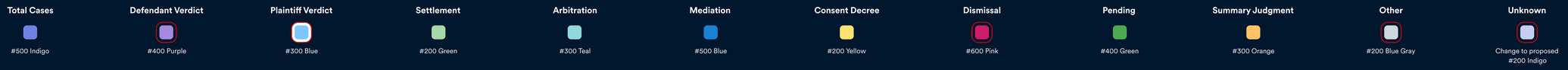
5 / Categories for Colors, Light, Dark, and Muted (Dark-Mode Identified)

Color Location - From LN Foundation: Dark-Mode Color Selection



5 / Categories for Colors, Light, Dark, and Muted (Dark-Mode)

VSA Colors



Context Colors



Lex Machina Colors



Mood Colors - In Context



– Colors used in multiple products

5 / Categories for Colors, Light, and Dark

Light Mode

Indigo
Category: Total Cases
Color: Indigo #900

Blue
Category: Plaintiff Verdict
Color: Blue #300

Teal
Category: Arbitration
Color: Teal #500

Yellow
Category: Consent Decree
Color: Yellow #300

Green
Category: Pending
Color: Green #600

Blue Grey
Category: Other
Color: Blue-Grey #400

Blue
Category: Cases
Color: Blue #400

Teal
Mood Color: Positive
Color: Teal #400

Purple
Category: Defendant Verdict
Color: Purple #600

Green
Category: Settlement
Color: Green #400

Blue
Category: Mediation
Mood Color: Neutral
Color: Blue #800

Pink
Category: Dismissal
Mood Color: Negative
Color: Pink #600

Orange
Category: Summary Judgment
Color: Orange #400

Violet
Category: News
Color: Violet #200

Purple
Category: Dockets
Color: Purple #700

Indigo
Category: Unknown
Mood Color: Unknown
Shared with: Lex Machina
Color: Indigo #200

Violet
Category: Employee
Specific for: Lex Machina
Color: Violet #800

Blue
Category: Non-arbitrable
Specific for: Lex Machina
Color: Blue #500

Pink
Category: No Prevailing Party
Specific for: Lex Machina
Color: Pink #800

Cyan (Accent)
Category: Employer
Specific for: Lex Machina
Color: Cyan (Accent) #600

Yellow-Green (Accent)
Category: Mixed
Specific for: Lex Machina
Color: Yellow-Green (Accent) #A700

Orange-Red (Accent)
Category: Union
Specific for: Lex Machina
Color: Orange-Red (Accent) #A400

Dark Mode

Indigo
Category: Total Cases
Color: Indigo #500

Blue
Category: Plaintiff Verdict
Color: Blue #300

Teal
Category: Arbitration
Color: Teal #300

Yellow
Category: Consent Decree
Color: Yellow #200

Green
Category: Pending
Color: Green #400

Blue-Grey
Category: Other
Color: Blue-Grey #200

Blue
Category: Cases
Color: Blue #400

Teal
Mood Color: Positive
Color: Teal #400

Purple
Category: Defendant Verdict
Color: Purple #400

Green
Category: Settlement
Color: Green #200

Blue
Category: Mediation
Mood Color: Neutral
Color: Blue #500

Pink
Category: Dismissal
Mood Color: Negative
Color: Pink #500

Orange
Category: Summary Judgment
Color: Orange #300

Violet
Category: News
Color: Violet #200

Purple
Category: Dockets
Color: Purple #500

Indigo
Category: Unknown
Mood Color: Unknown
Shared with: Lex Machina
Color: Indigo #200

Violet
Category: Employee
Specific for: Lex Machina
Color: Violet #500

Blue
Category: Non-arbitrable
Specific for: Lex Machina
Color: Blue #200

Pink
Category: No Prevailing Party
Specific for: Lex Machina
Color: Pink #500

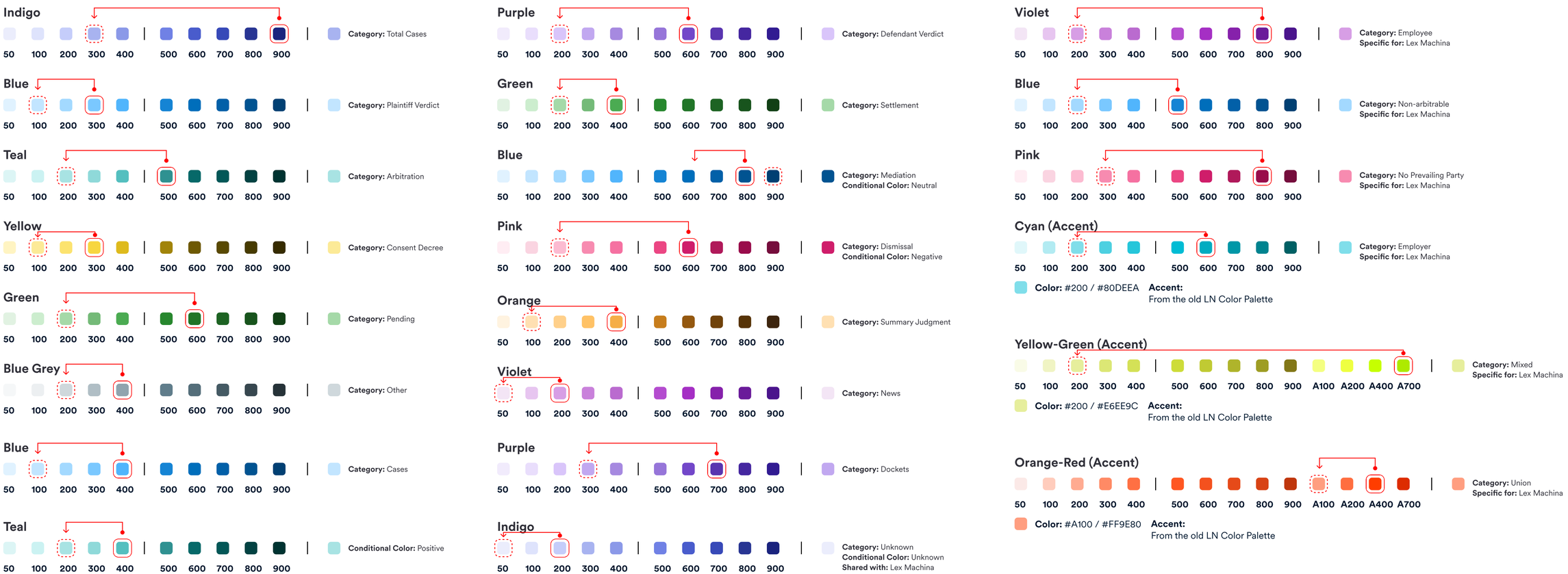
Cyan (Accent)
Category: Employer
Specific for: Lex Machina
Color: Cyan (Accent) #400

Yellow-Green (Accent)
Category: Mixed
Specific for: Lex Machina
Color: Yellow-Green (Accent) #A700

Orange-Red (Accent)
Category: Union
Specific for: Lex Machina
Color: Orange-Red (Accent) #A400

5 / Categories for Colors, Light, Dark, and Muted (Muted Light-Mode Identified)

Color Location - From LN Foundation: Muted Color Selection (Light-Mode)



5 / Categories for Colors, Light, Dark, and Muted (Muted Dark-Mode Identified)

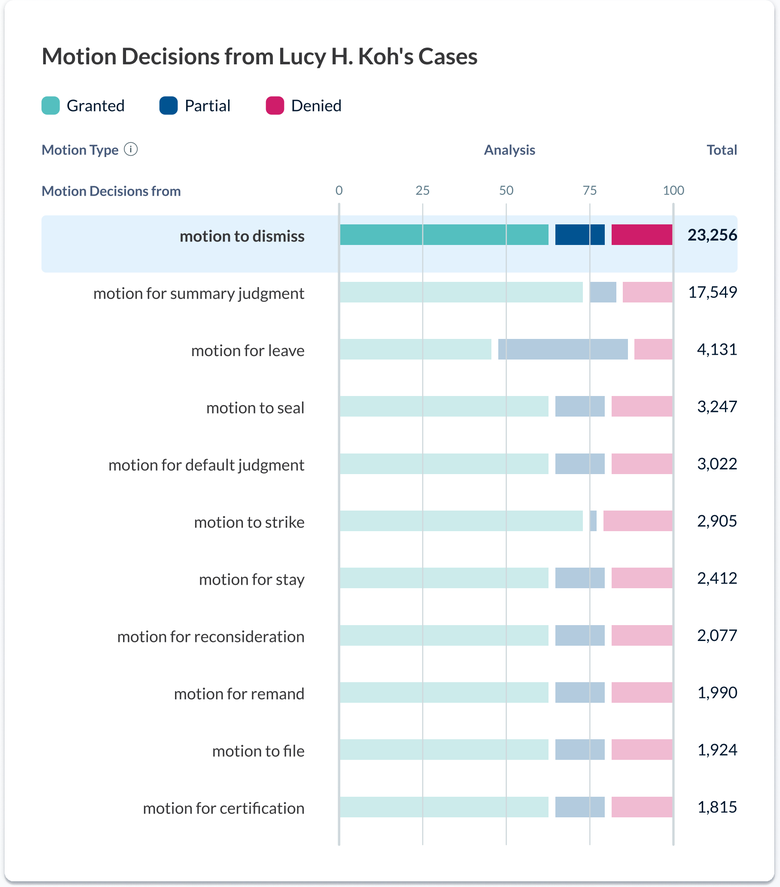
Color Location - From LN Foundation: Muted Color Selection (Dark-Mode)



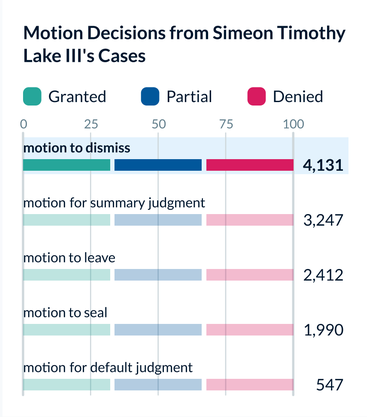
5 / Data Graph Color Exploration

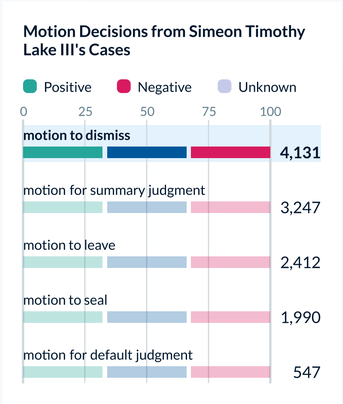
Bar Graph Chart Variations

Stacked Bar Chart (in primary product)

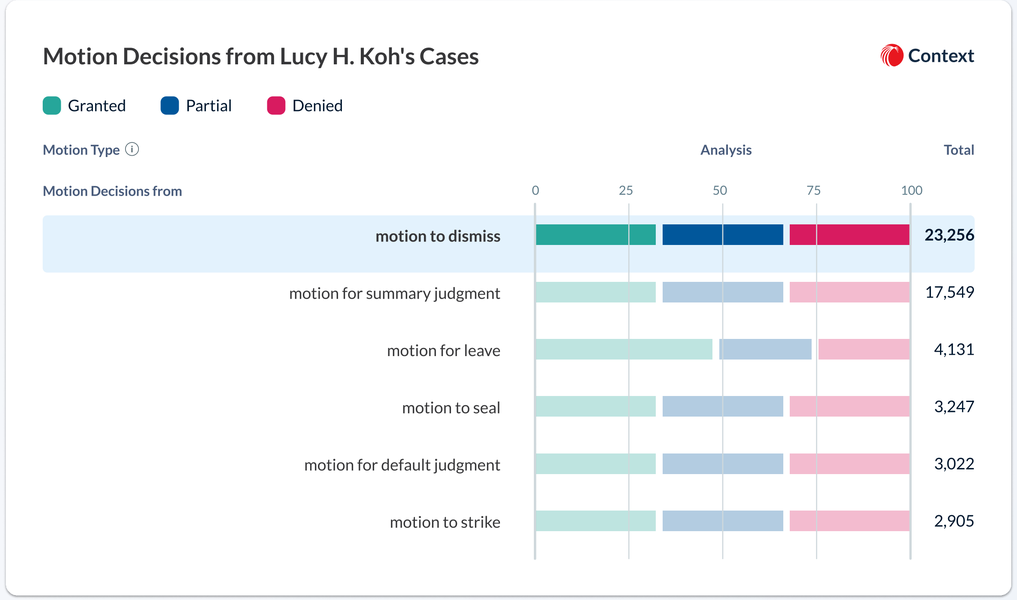


Stacked Bar Chart (small widget)





Stacked Bar Chart (large widget)



6 / Color Graph Guides

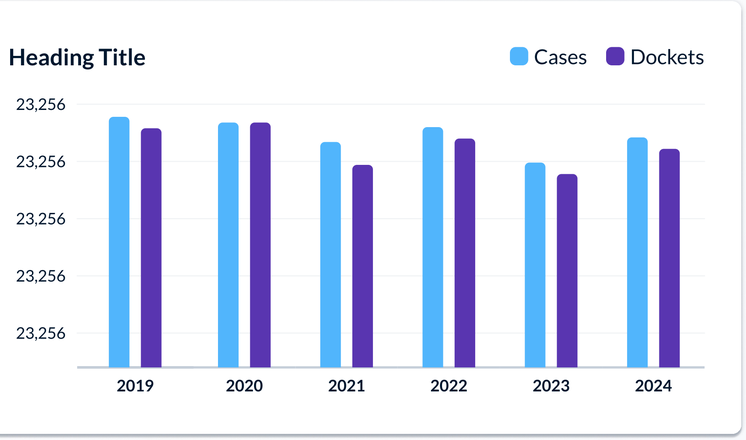
Layouts and a variety of charts and graphs have been created to help provide an understanding of how they can be created, resized, and used overall.

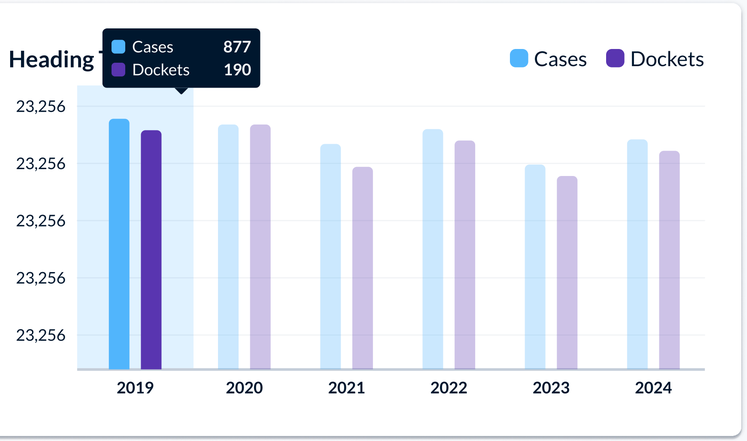
Some charts and graphs are examples and some of them are created based on real data within LexisNexis products.

6 / Color Graph Guides (Variations)

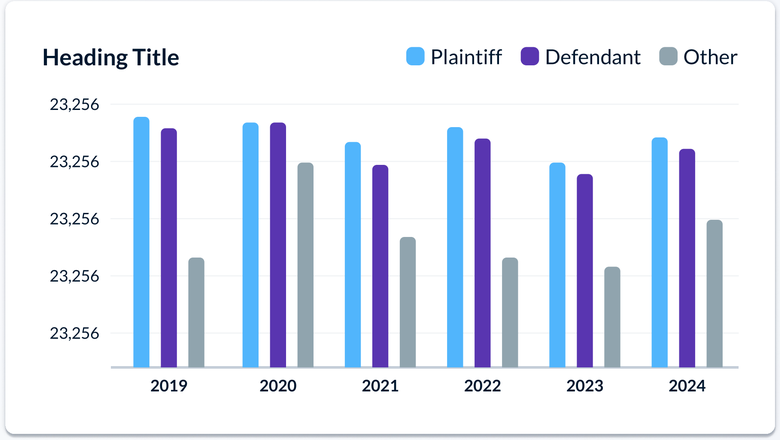
Bar Graph Chart Variations

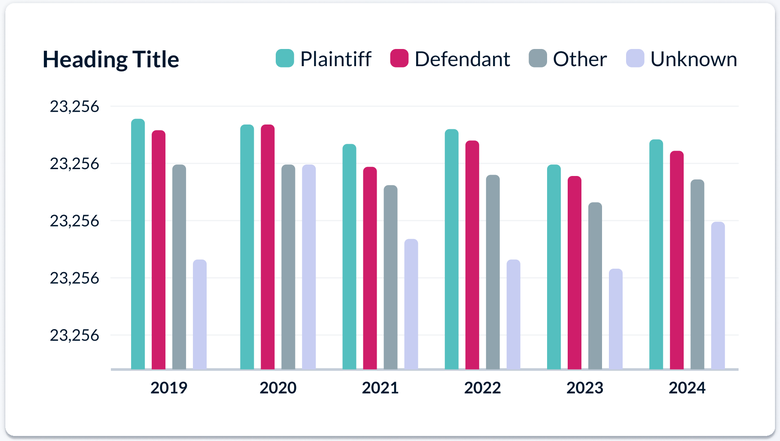
Basic Columns



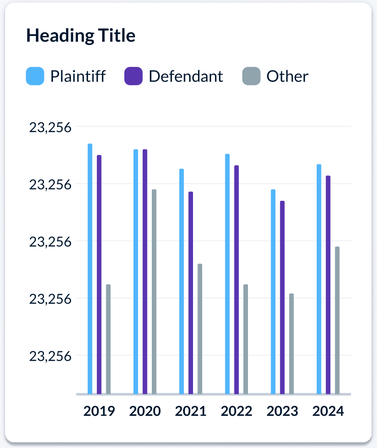


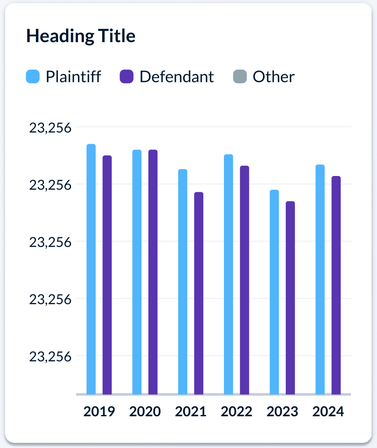
Data Defined in an HTML Table





Columns (small widget)

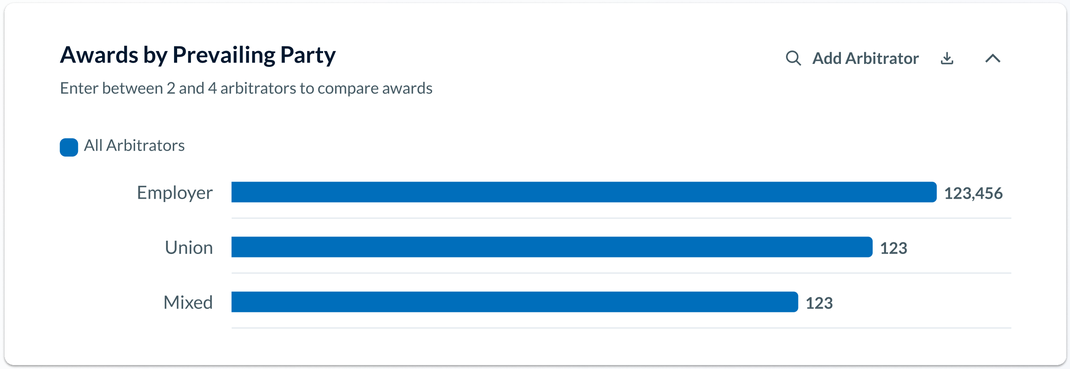


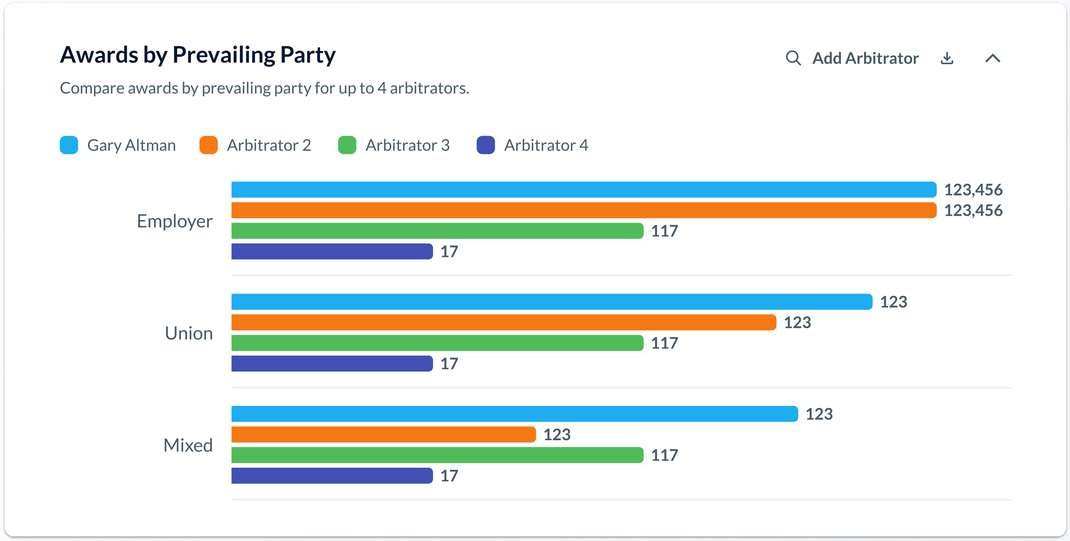


6 / Color Graph Guides (Variations)

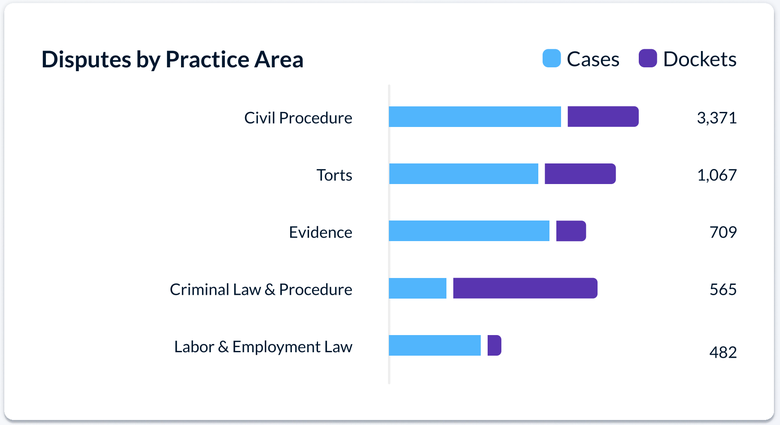
Bar Graph Chart Variations

Basic Bar Charts



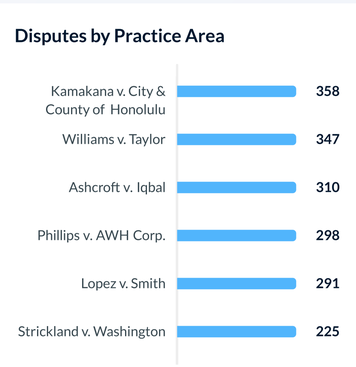


Basic Bar Charts (2 colors)





Basic Bar Charts (small widgets)

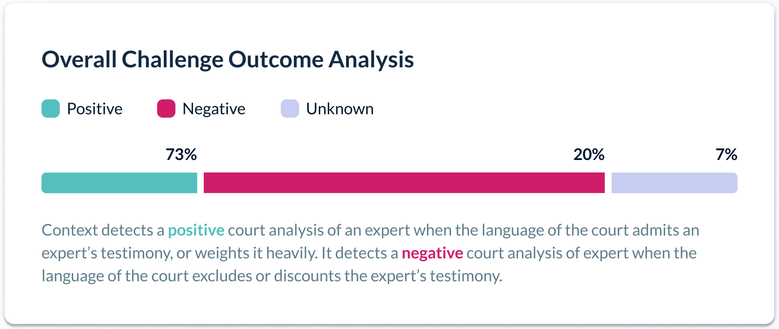


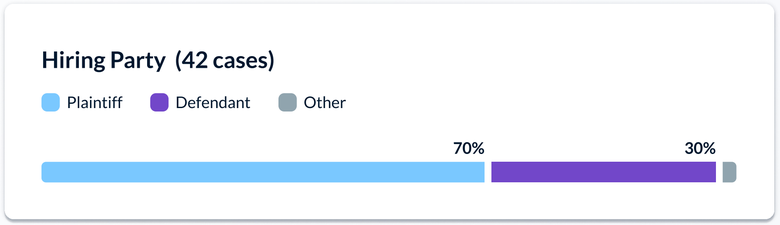


6 / Color Graph Guides (Variations)

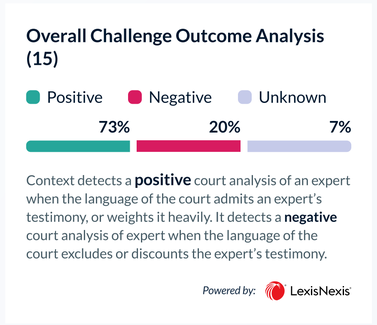
Bar Graph Chart Variations

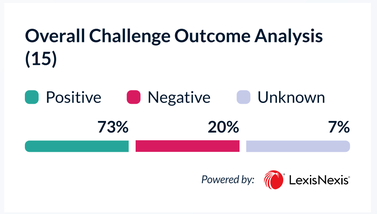
Basic Columns

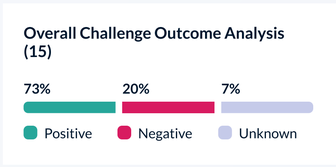


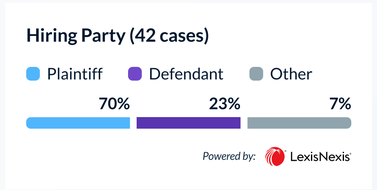


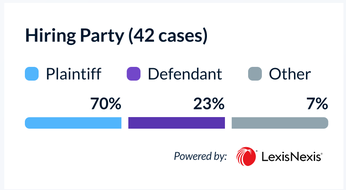
Columns (small widget)

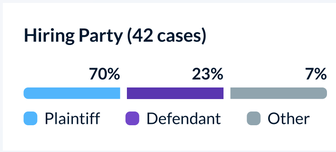












6 / Color Graph Guides (Variations)

Data Color Chart Variations

Category Data Colors

Trial Level Challenges

About this data ⓘ

Appellate Court Data

Case	Methodology	Qualification	Relevance	Procedural	Analysis
Stevens v. Stryker Corp.	●				✓
Placencia v. I-Flow Corp.	●	●			✗
Woodard v. Stryker Corp.	●	●			✓
Moore v. Breg, Inc	●	●			✗
Hamilton v. Breg, Inc.	●				✓
Suhn v. Breg, Inc.					✓
Smith v. Pfizer Inc.					–
McClellan v. I-Flow Corp.	●	●			✗
Schott v. I-Flow Corp.					✗
Mead v. Sec'y of HHS					
Dwyer v. Sec'y of the HHS					
King v. Sec'y of HHS					

Category Data Colors (small widget)

Trial Level Challenges ⓘ

Stevens v. Stryker Corp.
- Challenge Outcome Analysis ✓
- Methodology ●

Placencia v. I-Flow Corp.
- Challenge Outcome Analysis ✗
- Methodology ●
- Qualification ●

Trial Level Challenges ⓘ

Stevens v. Stryker Corp.
- Challenge Outcome Analysis ✓
- Methodology ●

Placencia v. I-Flow Corp.
- Challenge Outcome Analysis ✗
- Methodology ●
- Qualification ●

Appellate Level Challenges ⓘ

People ex rel. Brown v. Tri-Union Seafoods, LLC
- Challenge Outcome Analysis ✓
- Methodology ●

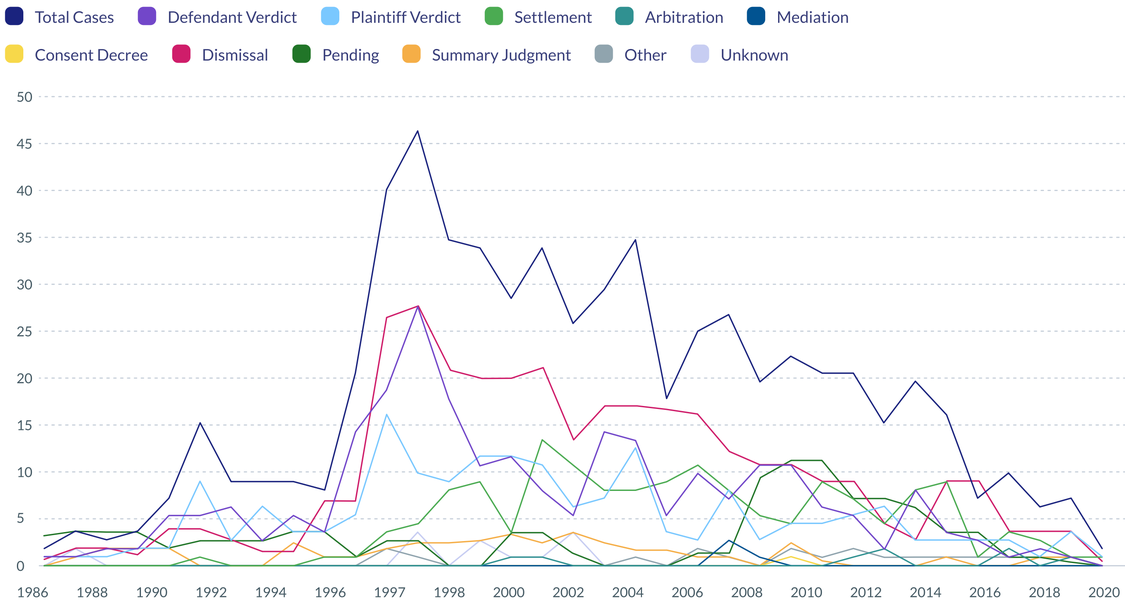
Appellate Level Challenges ⓘ

People ex rel. Brown v. Tri-Union Seafoods, LLC
- Challenge Outcome Analysis ✓
- Methodology ●

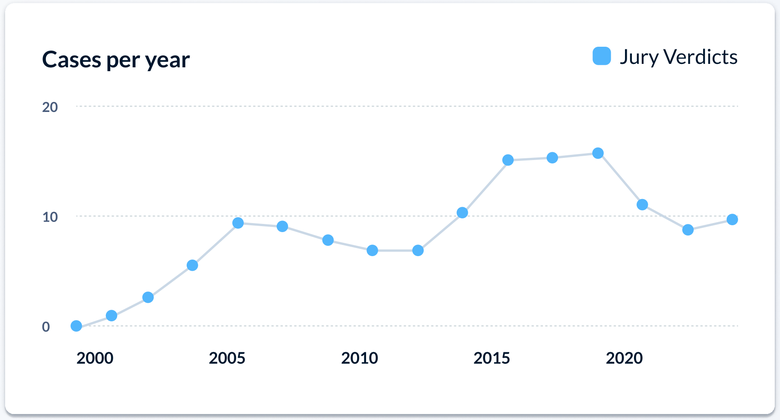
6 / Color Graph Guides (Variations)

Line Chart Variations

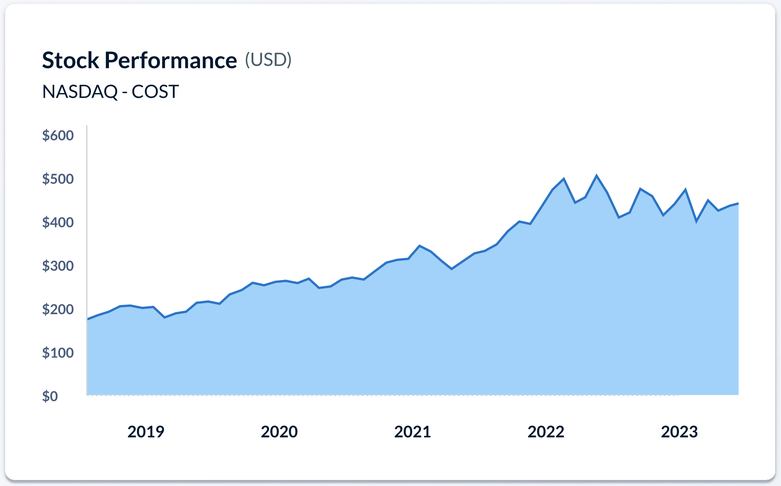
Detailed Line Charts



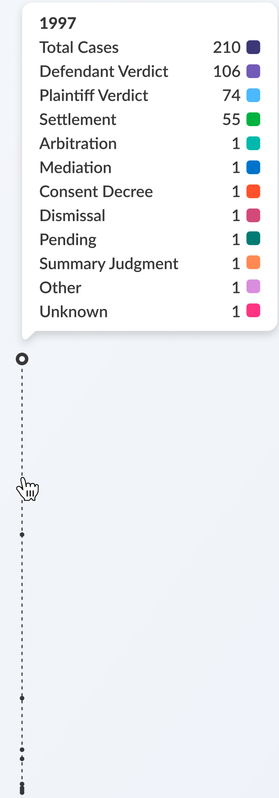
Basic Line Charts (with marker points)



Line Charts (with fill)



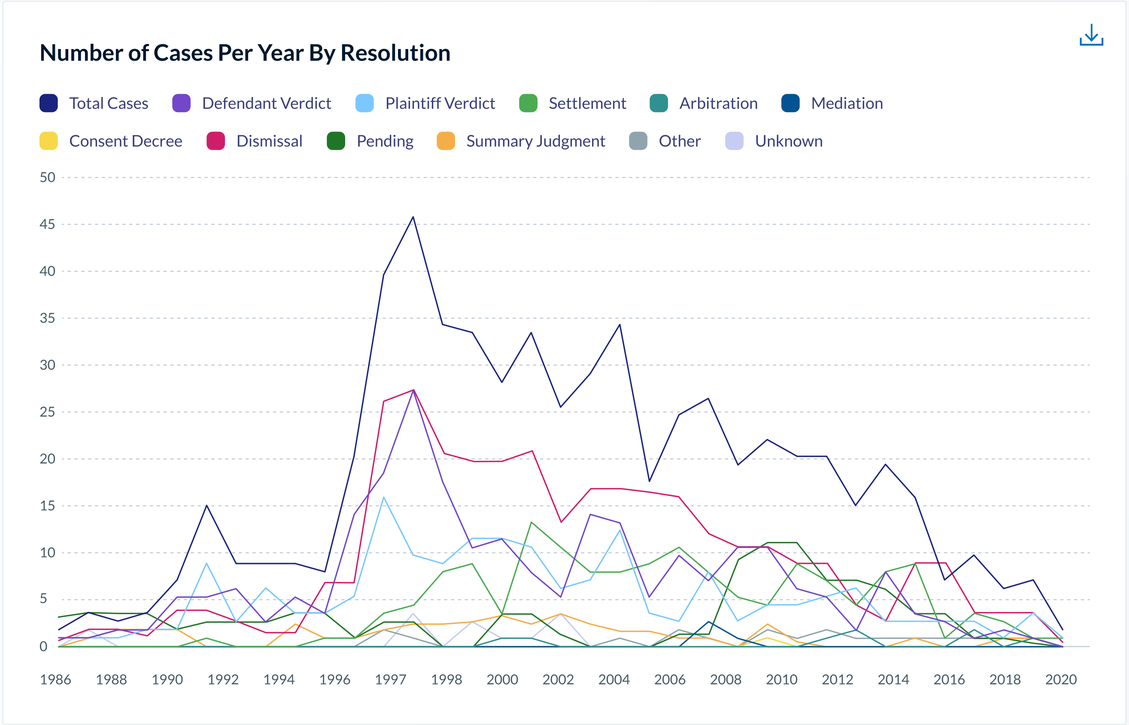
Hover-State Content Tooltip



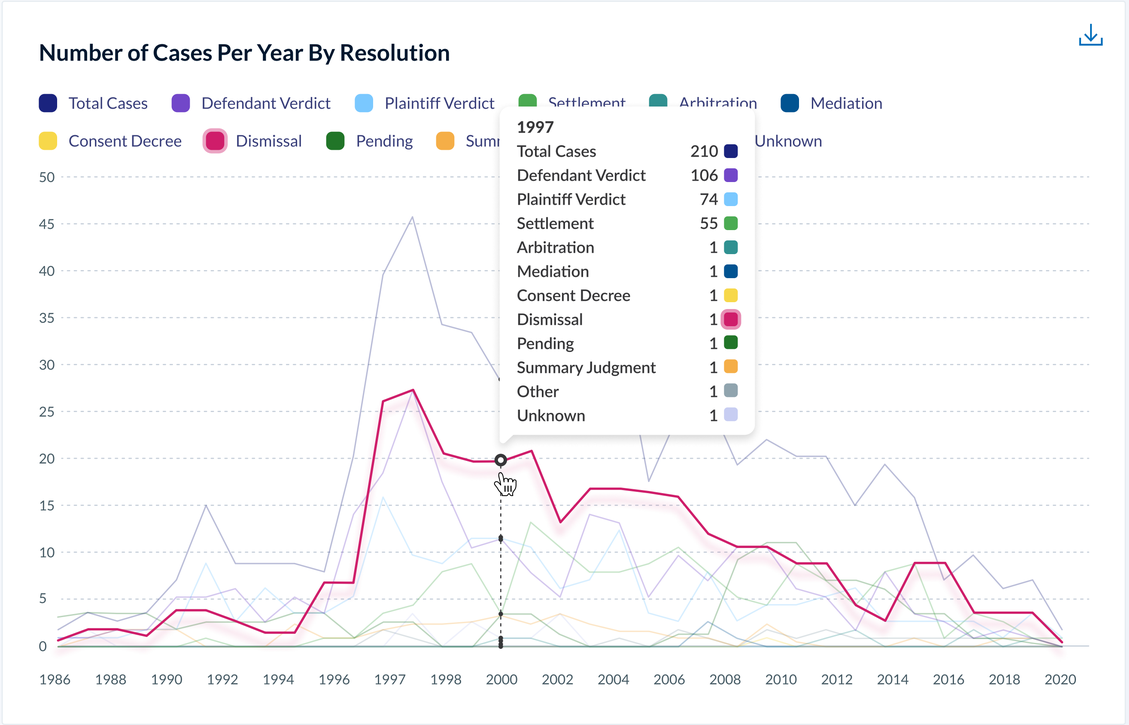
6 / Color Graph Guides (Line Chart Hover-States)

Complex Line Charts

Complex Line Charts



Complex Line Charts (Hover-States)



About Hover-State Interactions In This Graph

Category Name with Color: The interaction shown above highlights the ability to select one or multiple chart colors by selecting the square color-categories. Once selected, one or multiple colors will show an outline around it.

Graph Line Color and Tooltip Colors: When a category color is selected, the graph line of the selected color will appear over the other colors in the graph chart. The selected graph will appear more in-focus than the others with a drop-shadow to signify prominence and depth.

The tooltip will show smaller dots to signify other selectable points in the chart. It is important to allow customers to hover and click on other faded colors. If a customer hovers over a faded graph line while another prominent graph line is showing, the faded line will return to full opacity to show a hover-state.

6 / Color Graph Guides (Donut Chart Size Variations)

Donut Chart Size Variations

Full Size

Number of Cases by Resolution



Defendant Verdict	286	Mediation	4
Plaintiff Verdict	216	Consent Decree	1
Settlement	177	Dismissal	1
Unknown	30	Pending	1
Other	20	Summary Judgment	1
Arbitration	11		

Standard Size (510w)

Number of Cases by Resolution



Defandent Verdict	286	Mediation	4
Plaintiff Verdict	216	Consent Decree	1
Settlement	177	Dismissal	1
Unknown	30	Pending	1
Other	20	Summary Judgment	1
Arbitration	11		

Widget Size (320w)

Number of Cases by Resolution



Defendant Verdict	286
Plaintiff Verdict	216
Settlement	177
Unknown	30
Other	20
Arbitration	11
Mediation	4
Consent Decree	1
Dismissal	1
Pending	1
Summary Judgment	1

Powered by: LexisNexis

Small Widget / Mobile Size (296w)

Number of Cases by Resolution



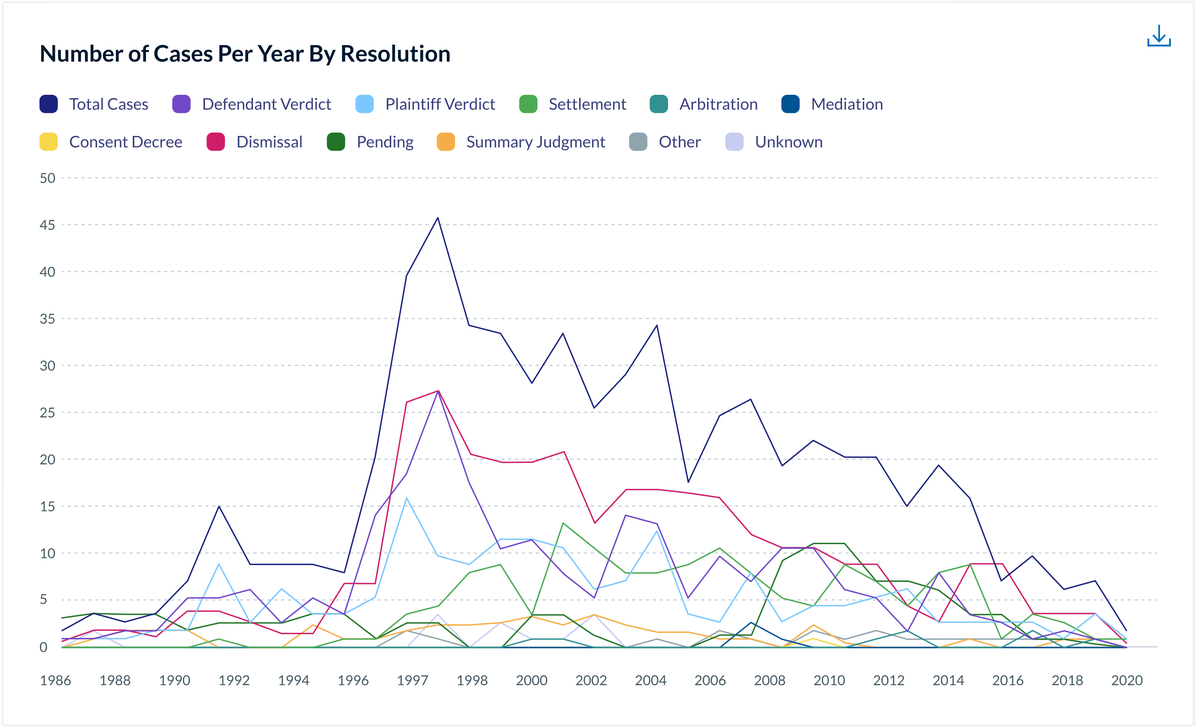
Defendant Verdict	286
Plaintiff Verdict	216
Settlement	177
Unknown	30
Other	20
Arbitration	11
Mediation	4
Consent Decree	1
Dismissal	1
Pending	1
Summary Judgment	1

Powered by: LexisNexis

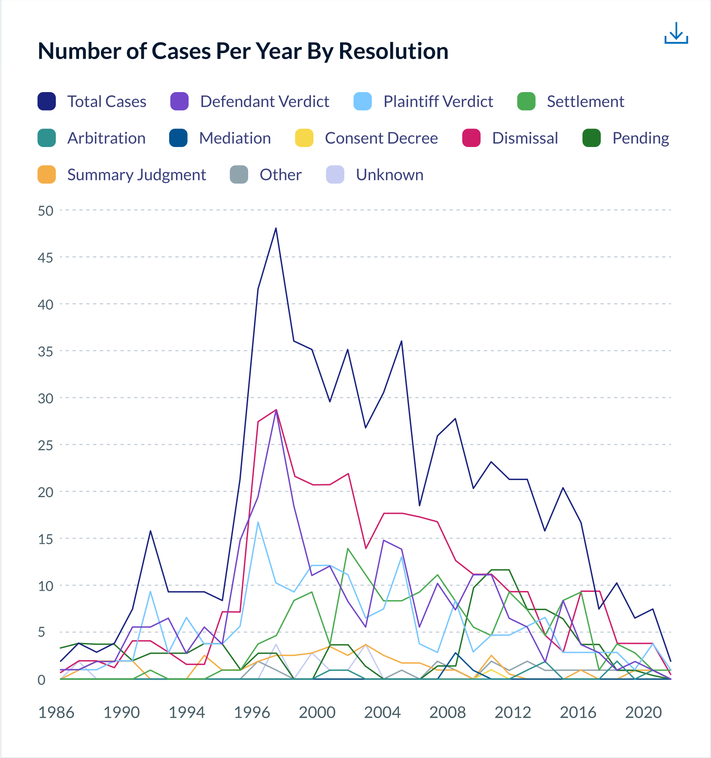
6 / Color Graph Guides (Line Chart Size Variations)

Detailed Line Chart

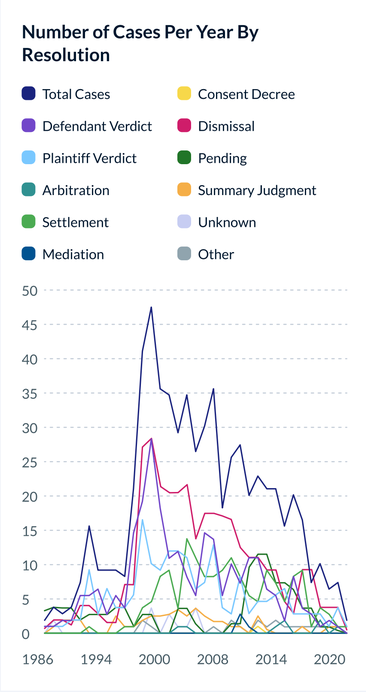
Detailed Line Charts (Full Product Card / Full Page width — 1040px)



Detailed Line Charts (Half Product Card / Half Page width — 620px)



Detailed Line Charts (Widget — 320px)



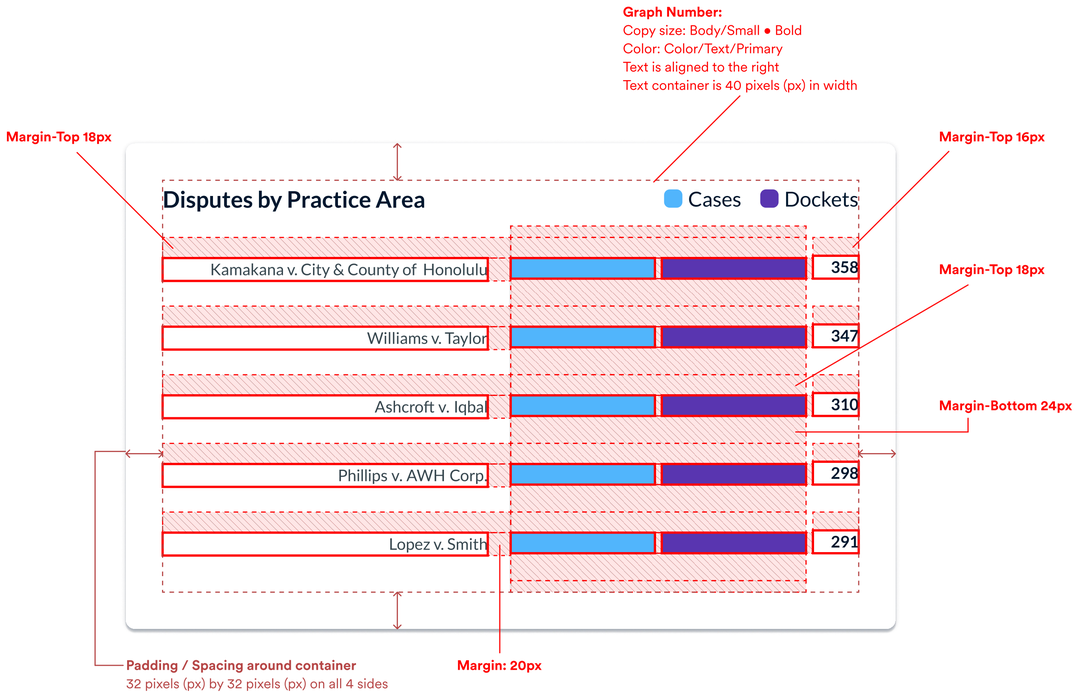
6 / Color Graph Guides (Chart Spacing)

Styles, Spacing, and Sizing

Styles



Margins and Spacing

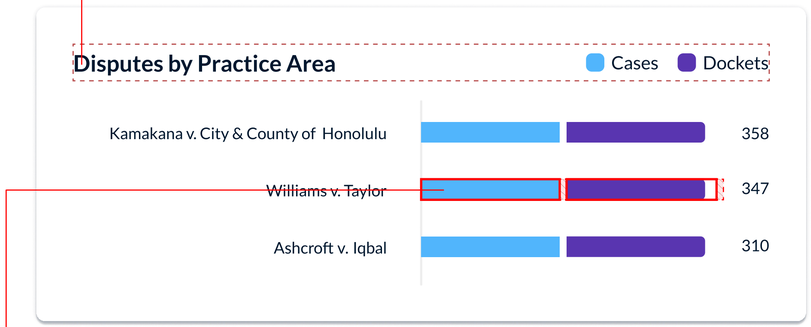


6 / Color Graph Guides (Similarities and Differences)

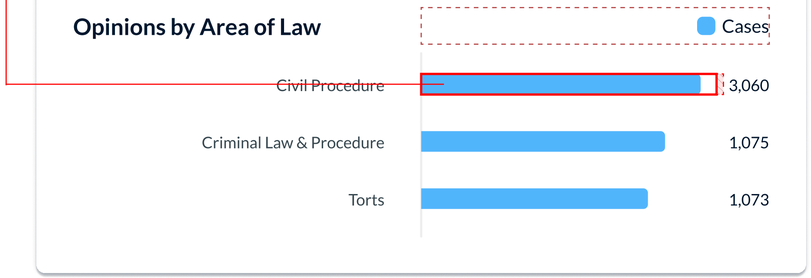
Graph Differences

Key Differences

Category Name:
Certain text categories and numbers in the headline may all be bold.



Bar Graph Differences:
Bar-graphs may show up to 5 separate colors at the same time. Some examples show 1 and 2 color side-by-side.



Category Name:
If there is a "company name" in the title, all other text is shown in a regular weight to emphasize the company name itself, even if there is a category in the headline such as "Disputes"



Selected Data:
An entire block can be highlighted by hovering and selecting the category name, graph, or number and the entire background will show the color #E0F2FF (Color/Accent/Foreground/Muted Blue)

Bold Text Highlighted:
When a graph is highlighted in any way (hovered / selected), the category and number are both bold.

6 / Color Graph Guides (Similarities and Differences)

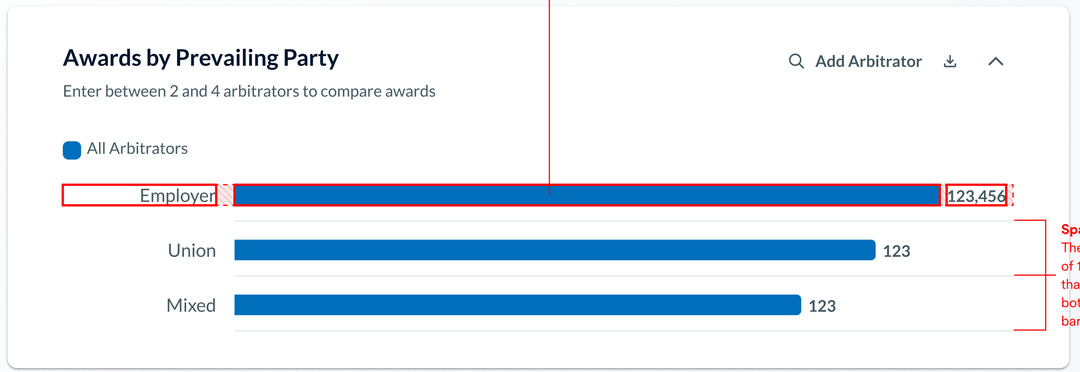
Graph Differences

Bar Graph Differences:
Some data can change when filters are changed or altered; this can also change the category color. An example shows the change of color from “All Arbitrators” to “Gary Altman” (single name)

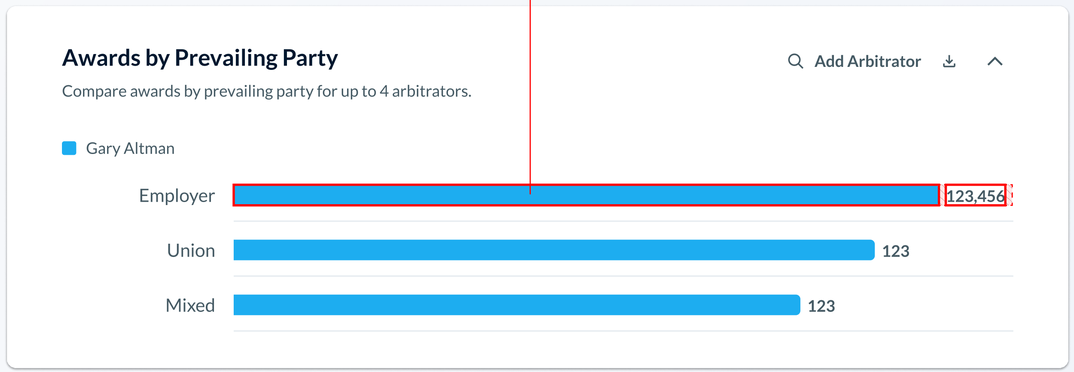
Graph Before-State:

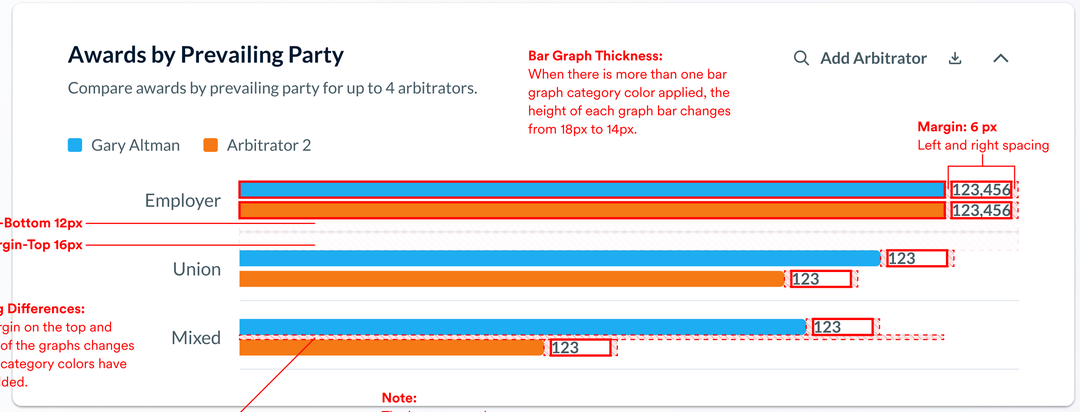
Graph After-State:

Key Differences



Spacing Border:
There is a bottom border of 1 pixel (px) #E5EBF0 that appears at the bottom of each set of bar-charts.





Bar Graph Thickness:
When there is more than one bar graph category color applied, the height of each graph bar changes from 18px to 14px.

Margin: 6 px
Left and right spacing

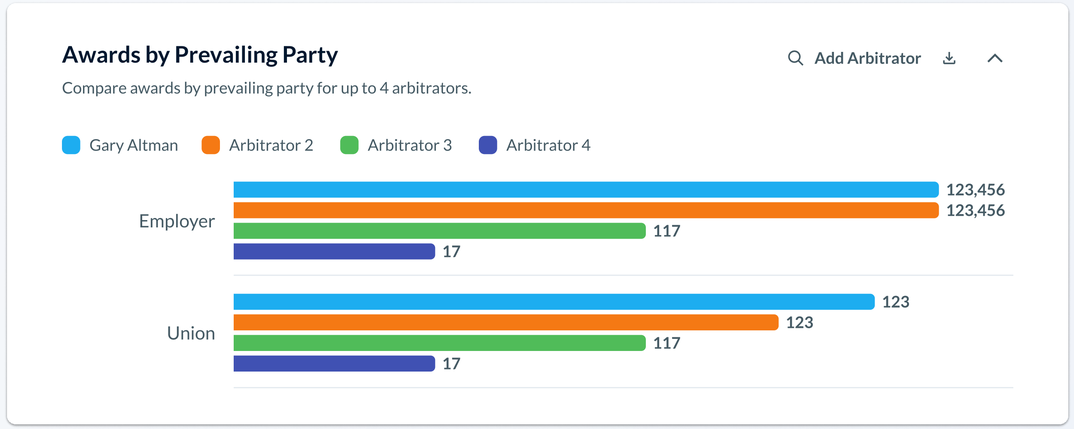
Margin-Bottom 12px

Margin-Top 16px

Spacing Differences:
The margin on the top and bottom of the graphs changes when 2 category colors have been added.

Graph Margin Spacing:
margin: 4 pixels (px) between both graphs

Note:
The bottom graph



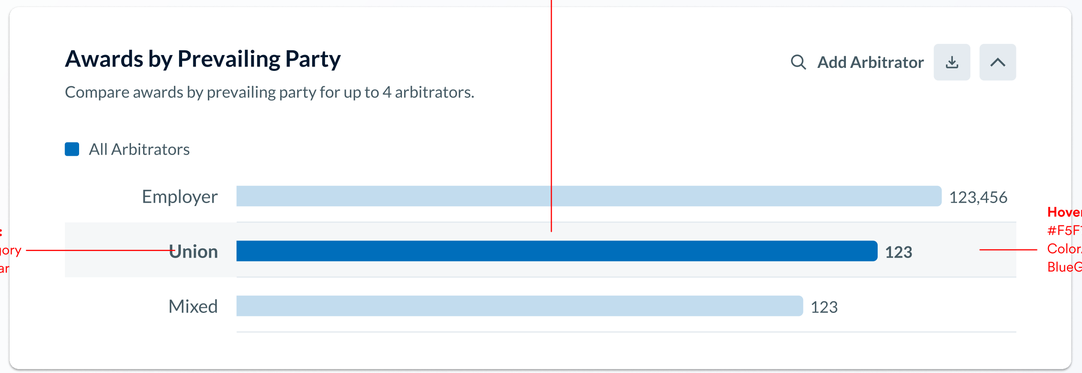
6 / Color Graph Guides (Similarities and Differences)

Bar Graph Chart Variations

Hover-State:
A section of the graph can have a hover-state. When this occurs, all other bar-chart colors are muted in opacity to 30%. The background selection has a background color of #F5F7F8 or Color/Accent/Background/BlueGray Muted/Default.

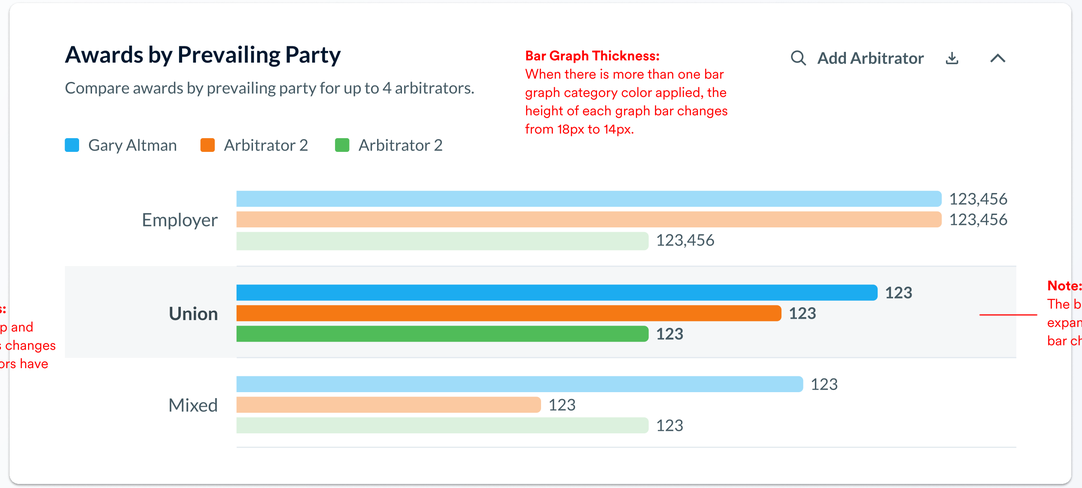
Selected-State:
After a bar-chart has been selected, the chart background changes to #FFFFFF or Color/Background/Surface/Default

Hover-States



Hover-State Text:
Hover-State category and number appear as Bold.

Hover-State Background:
#F5F7F8 or Color/Accent/Background/BlueGray Muted/Default.

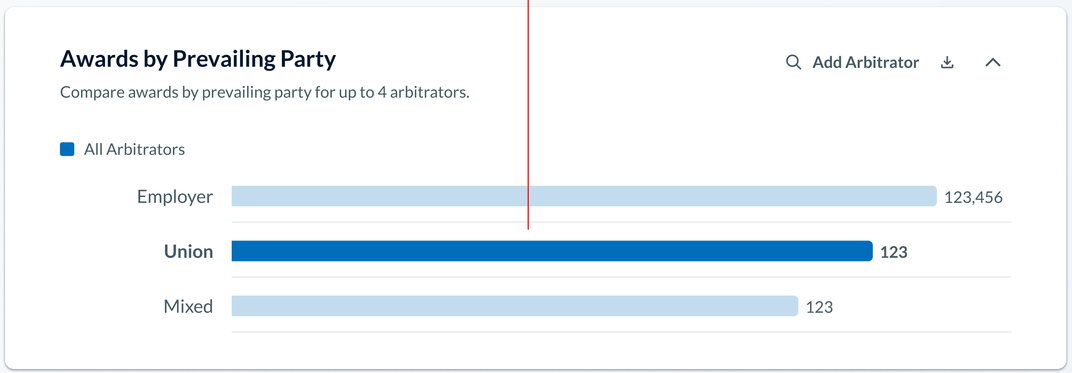


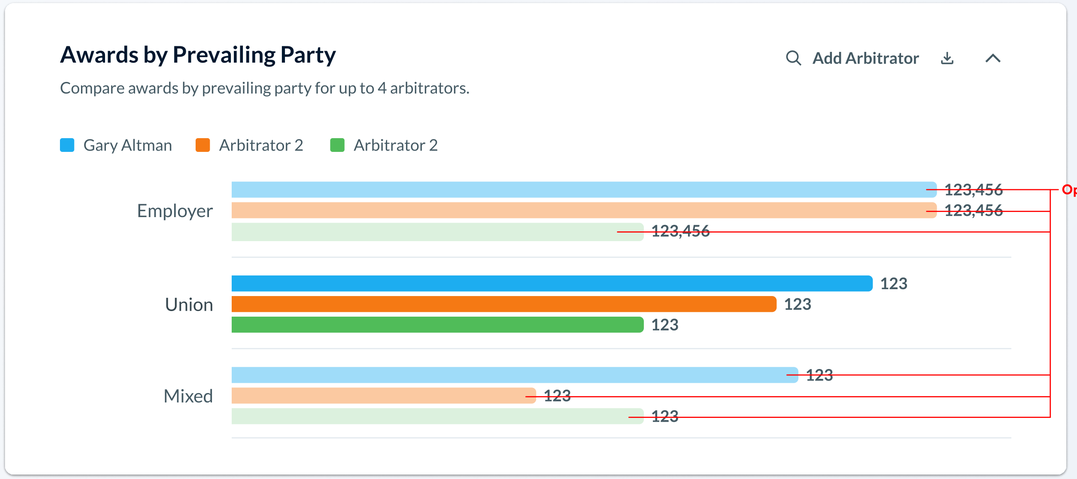
Bar Graph Thickness:
When there is more than one bar graph category color applied, the height of each graph bar changes from 18px to 14px.

Spacing Differences:
The margin on the top and bottom of the graphs changes when 2 category colors have been added.

Note:
The background height expands vertically the more bar charts are added.

Selected States





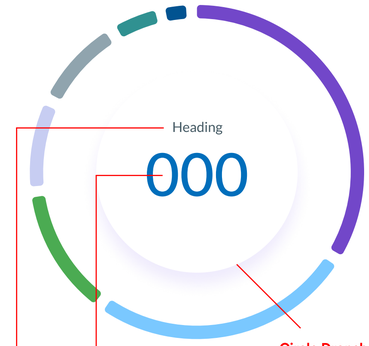
Opacity: 30%

6 / Color Graph Guides (Donut Chart - Detail Sizing Variations and Differences)

Donut Chart Size Variations

Styles

292 x 292
8% Thickness /
92% Difference
Spacing: 9 pixels (px)
border-radius: 3px



Heading
font-family: Lato - Regular
font-size: 12
line-height: 16
color: #455A64 or
color/Interactive/Secondary/Default

Number
font-family: Lato - Medium
font-size: 52
line-height: auto
color: #006EBB or
color/Interactive/Primary/Default

Circle Dropshadow
X: 0 - Y: 10 - Blur: 14 - Spread: 0
Color: #5F3DEA
Opacity: 10.2%

252 x 252
12% Thickness
88% Difference
Spacing: 8 pixels (px)
border-radius: 3px



Data Text Changes

Data Content:
Data Circle changes from 176 to 156

Number:
Text size changes from 52 to 46

212 x 212
16% Thickness
84% Difference
Spacing: 5 pixels (px)
border-radius: 3px



Data Text Changes

Data Content:
Data Circle changes from 156 to 116

Heading:
Text size changes from 12 to 10

Number:
Text size changes from 46 to 40

182 x 182
20% Thickness
80% Difference
Spacing: 4 pixels (px)
border-radius: 3px



Data Text Changes

Data Content:
Data Circle changes from 116 to 96

Number:
Text size changes from 40 to 32

162 x 162
22% Thickness
78% Difference
Spacing: 4 pixels (px)
border-radius: 3px



Data Text Changes

Data Content:
Data Circle changes from 96 to 86

Number:
Text size changes from 32 to 28

142 x 142
26% Thickness
74% Difference
Spacing: 4 pixels (px)
border-radius: 2px



Data Text Changes

Data Content:
Data Circle changes from 86 to 66

Number:
Text size changes from 28 to 24

122 x 122
30% Thickness
70% Difference
Spacing: 4 pixels (px)
border-radius: 2px



112 x 112
Thickness: 34%
66% Difference
Spacing: 4 pixels (px)
border-radius: 2px

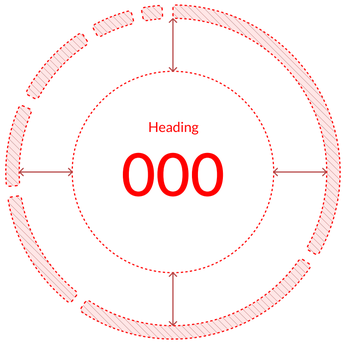


6 / Color Graph Guides (Donut Chart Spacing and Thickness Variations)

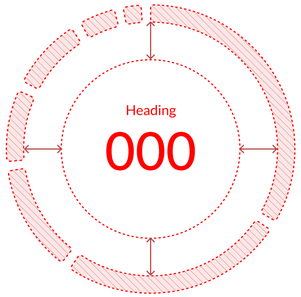
Donut Chart Size Variations

Donut Thickness Identified

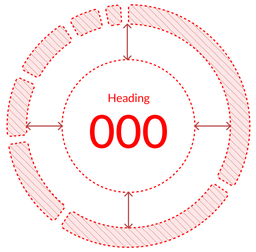
292 x 292
8% Thickness /
92% Difference
Spacing: 9 pixels (px)
border-radius: 3px



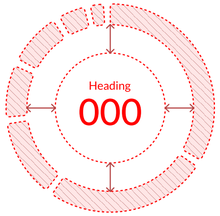
252 x 252
12% Thickness
88% Difference
Spacing: 8 pixels (px)
border-radius: 3px



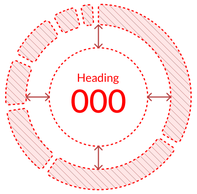
212 x 212
16% Thickness
84% Difference
Spacing: 5 pixels (px)
border-radius: 3px



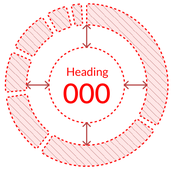
182 x 182
20% Thickness
80% Difference
Spacing: 5 pixels (px)
border-radius: 3px



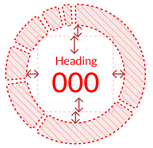
162 x 162
22% Thickness
78% Difference
Spacing: 4 pixels (px)
border-radius: 3px



142 x 142
26% Thickness
74% Difference
Spacing: 4 pixels (px)
border-radius: 2px



122 x 122
30% Thickness
70% Difference
Spacing: 3 pixels (px)
border-radius: 2px



112 x 112
Thickness: 34%
66% Difference
Spacing: 3 pixels (px)
border-radius: 2px



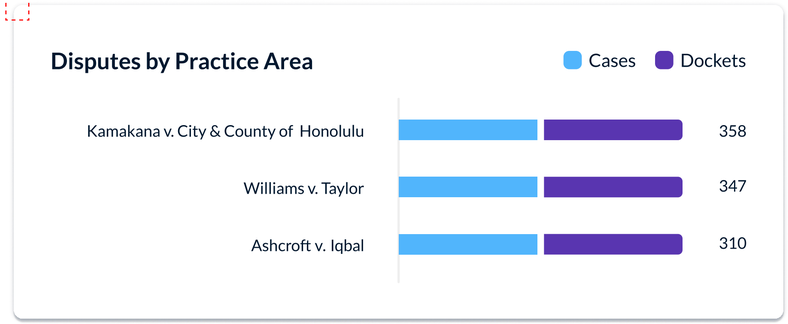
6 / Color Graph Guides (Similarities and Differences)

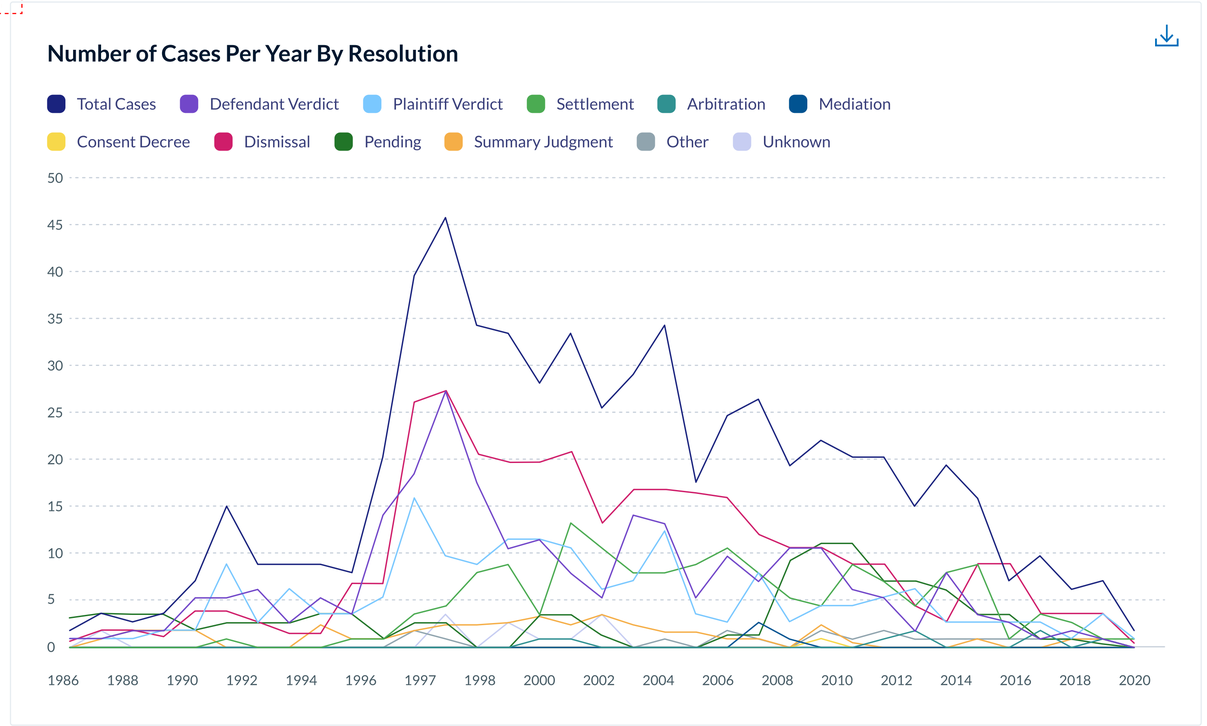
Card Differences: Border Radius Size

Styles and Differences

Data graph Cards:
Standard data cards have rounded edges with a border-radius of 8 pixels / px and a drop-shadow.

Other detailed cards with extensive graph data (as shown on the right) have smaller rounded edges with a border-radius of 2 pixels / px. The card on the right comes from the product Verdict and Settlement Analyzer (VSA).

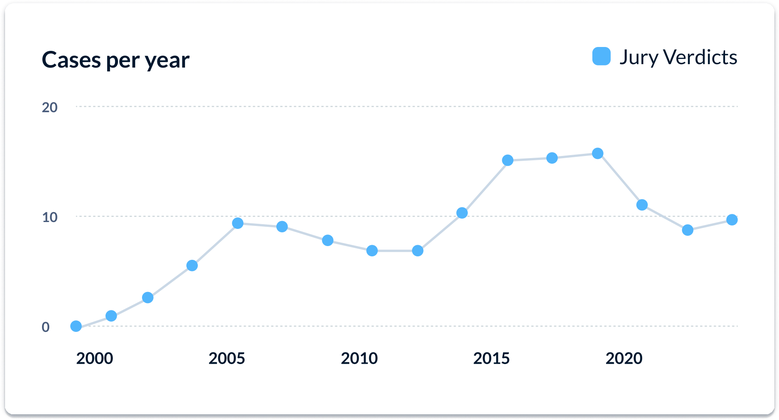


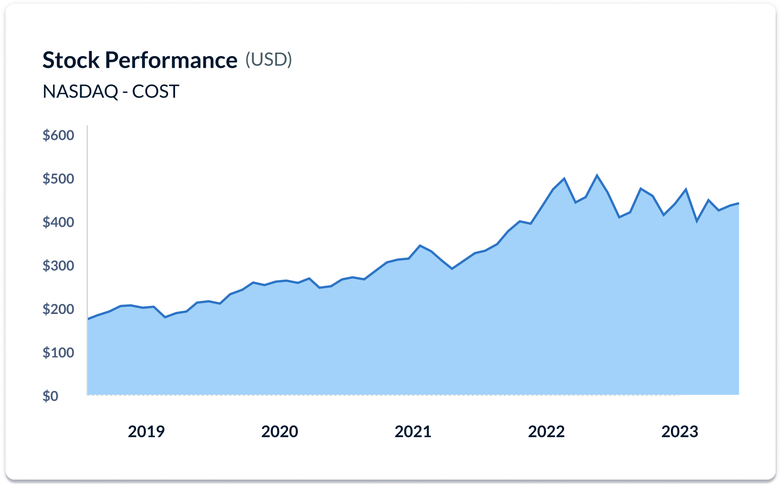


6 / Color Graph Guides (Similarities and Differences)

Line Chart Variations

Styles





Thank You!

Data Visualization

December 1, 2023 - December 16, 2024