POURing Accessibility into Power BI: Practical Steps for Inclusive Analytics

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Creator of PBIX A11y

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Thank you sponsors!



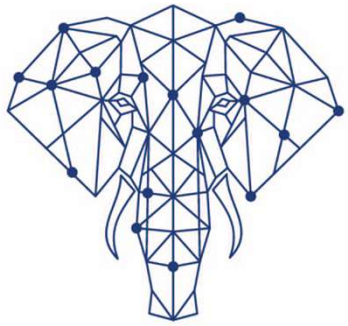
























Agenda

- Understanding Disabilities
- Accessibility Challenges in Data Visualisations
- Web Content Accessibility Guidelines
- Integrating WCAG with Report Design
- Prompting for Accessibility 

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Understanding Disabilities

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Understanding Disabilities

A mismatch between the needs of the individual and the service, product or environment offered (Microsoft).



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Understanding Disabilities

Types of Disabilities



Cognitive Disability



Visual Disability



Auditory Disability



Motor Disability



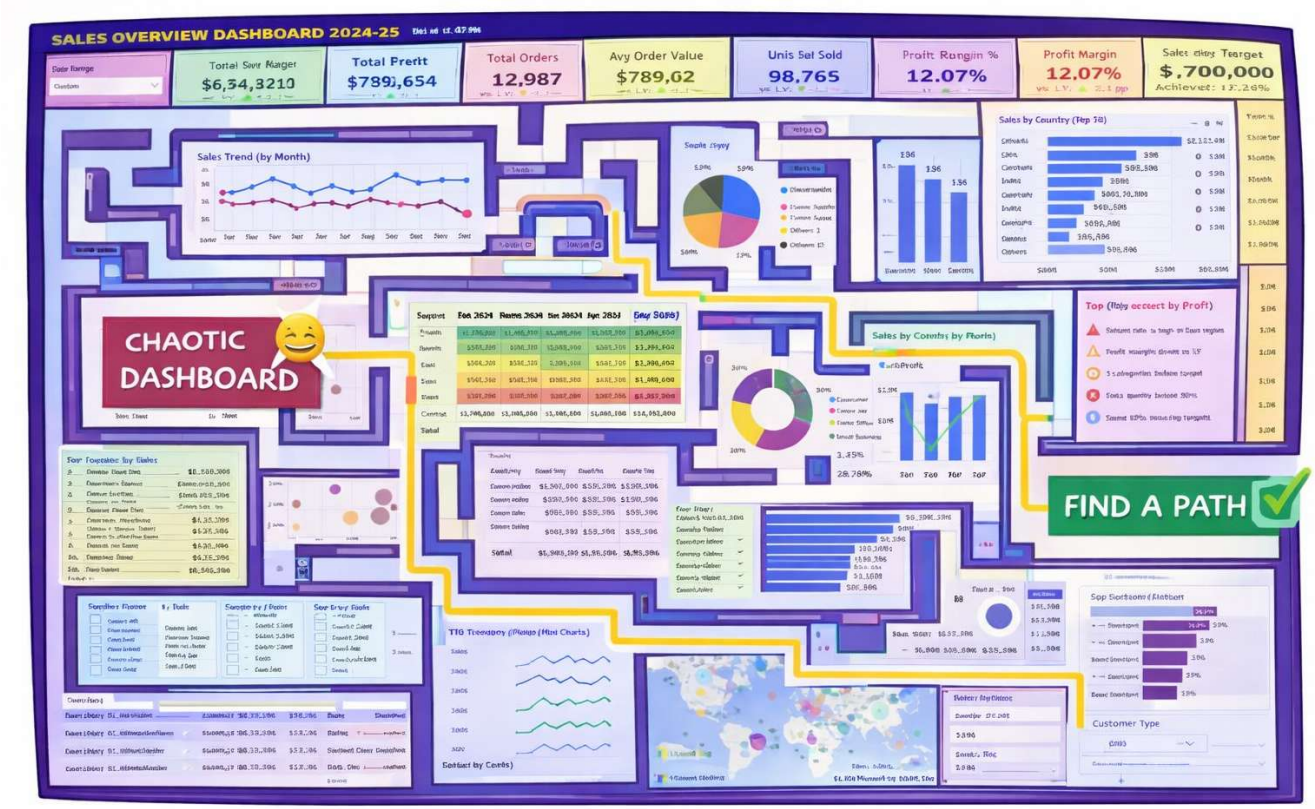
Speech Disability

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Common Accessibility Challenges in Data Visualisations

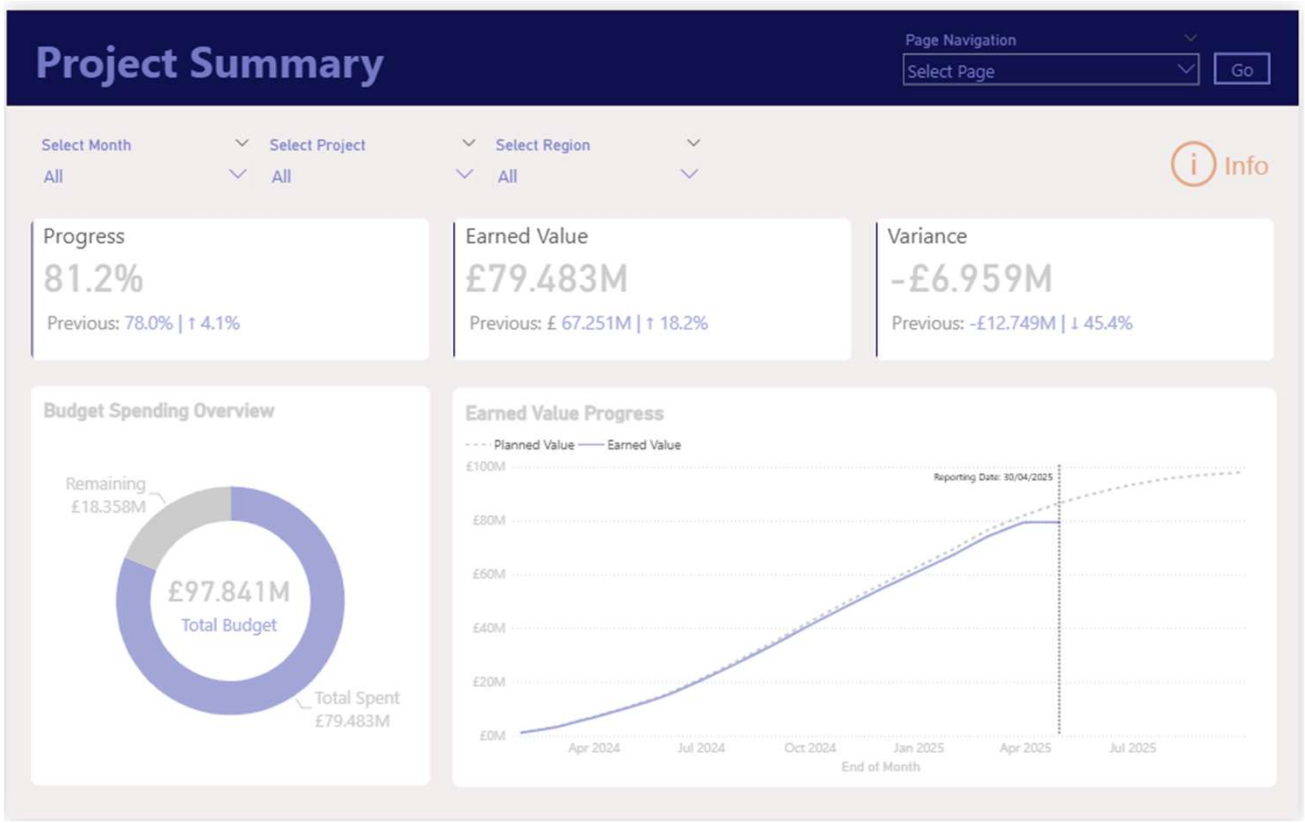
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Chaotic Design



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Poor Colour Contrast



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Unreadable Text Size

Project Dashboard

Activities Breakdown

Activity	Overall Status	Activity Type	Activity Name	BL Start	Forecast Finish
Alpha-001-1	Complete	Task Dependent	Work Activity	04/03/2024	06/11/2024
Alpha-001-10	Complete	Task Dependent	Work Activity	15/01/2024	23/02/2024
Alpha-001-100	Complete	Task Dependent	Work Activity	23/09/2024	11/11/2024
Alpha-001-101	Complete	Task Dependent	Work Activity	19/09/2024	07/11/2024
Alpha-001-102	Complete	Task Dependent	Work Activity	11/09/2024	30/10/2024
Alpha-001-103	Complete	Task Dependent	Work Activity	06/09/2024	25/10/2024
Alpha-001-104	Open & Late	Task Dependent	Work Activity	08/07/2025	05/01/2026
Alpha-001-105	Open & Late	Task Dependent	Work Activity	11/07/2025	09/01/2026
Alpha-001-106	Open & Late	Task Dependent	Work Activity	02/04/2025	01/05/2025
Alpha-001-107	Complete	Task Dependent	Work Activity	12/03/2025	14/04/2025
Alpha-001-108	Complete	Task Dependent	Work Activity	11/03/2025	11/04/2025
Alpha-001-109	Complete	Task Dependent	Work Activity	10/03/2025	10/04/2025
Alpha-001-11	Complete	Task Dependent	Work Activity	25/03/2024	22/04/2024
Alpha-001-110	Complete	Task Dependent	Work Activity	07/03/2025	04/04/2025
Alpha-001-111	Complete	Task Dependent	Work Activity	05/03/2025	03/04/2025
Alpha-001-112	Complete	Task Dependent	Work Activity	02/01/2025	30/01/2025
Alpha-001-113	Complete	Task Dependent	Work Activity	18/12/2024	27/01/2025
Alpha-001-114	Complete	Task Dependent	Work Activity	12/12/2024	14/01/2025
Alpha-001-115	Complete	Task Dependent	Work Activity	09/01/2025	07/02/2025
Alpha-001-116	Complete	Task Dependent	Work Activity	24/01/2024	20/03/2024
Alpha-001-117	Complete	Task Dependent	Work Activity	07/02/2024	04/04/2024
Alpha-001-118	Complete	Task Dependent	Work Activity	24/01/2024	19/03/2024
Alpha-001-119	Open & Late	Task Dependent	Work Activity	20/08/2025	27/10/2025
Alpha-001-12	Complete	Task Dependent	Work Activity	18/03/2024	15/04/2024
Alpha-001-120	Open & Late	Task Dependent	Work Activity	10/07/2025	04/09/2025
Alpha-001-121	Complete	Task Dependent	Work Activity	05/09/2024	24/01/2025
Alpha-001-122	Complete	Task Dependent	Work Activity	09/02/2024	10/06/2024
Alpha-001-123	Complete	Task Dependent	Work Activity	26/03/2025	29/04/2025
Alpha-001-124	Complete	Task Dependent	Work Activity	13/03/2025	14/04/2025
Alpha-001-125	Complete	Task Dependent	Work Activity	21/03/2025	24/04/2025
Alpha-001-126	Complete	Task Dependent	Work Activity	12/03/2025	11/04/2025
Alpha-001-127	Complete	Task Dependent	Work Activity	18/03/2025	17/04/2025
Alpha-001-128	Complete	Task Dependent	Work Activity	11/03/2025	08/04/2025

Activities Starts: Baseline vs Actual



Costs

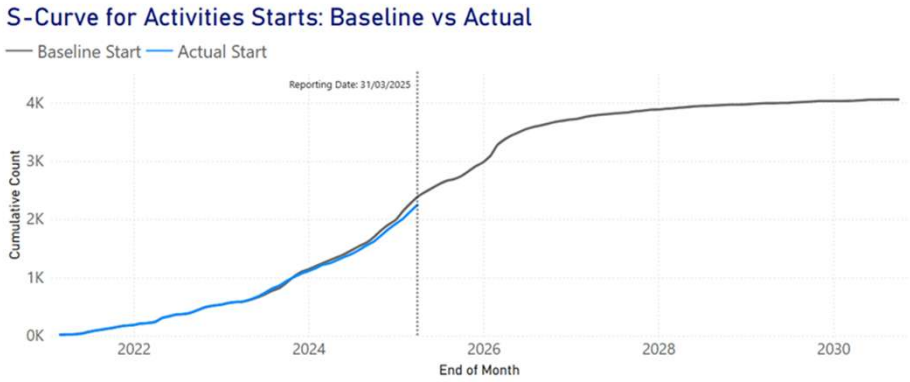


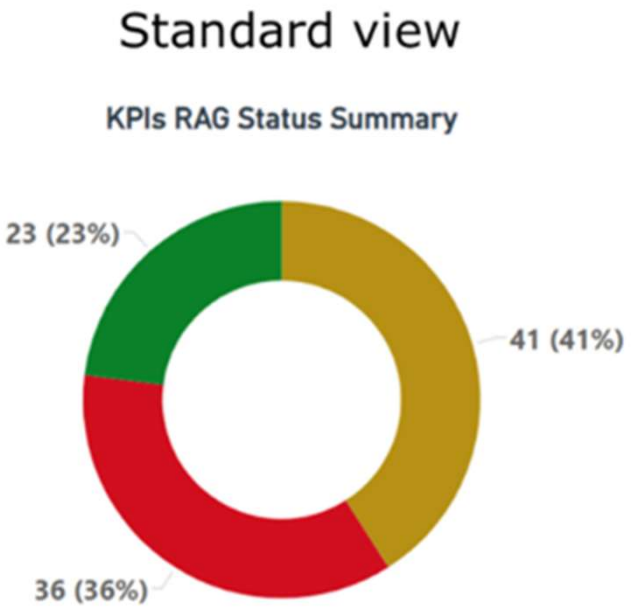
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Colour Alone to Convey Meaning

Cost Per Project: Current vs. Previous Month

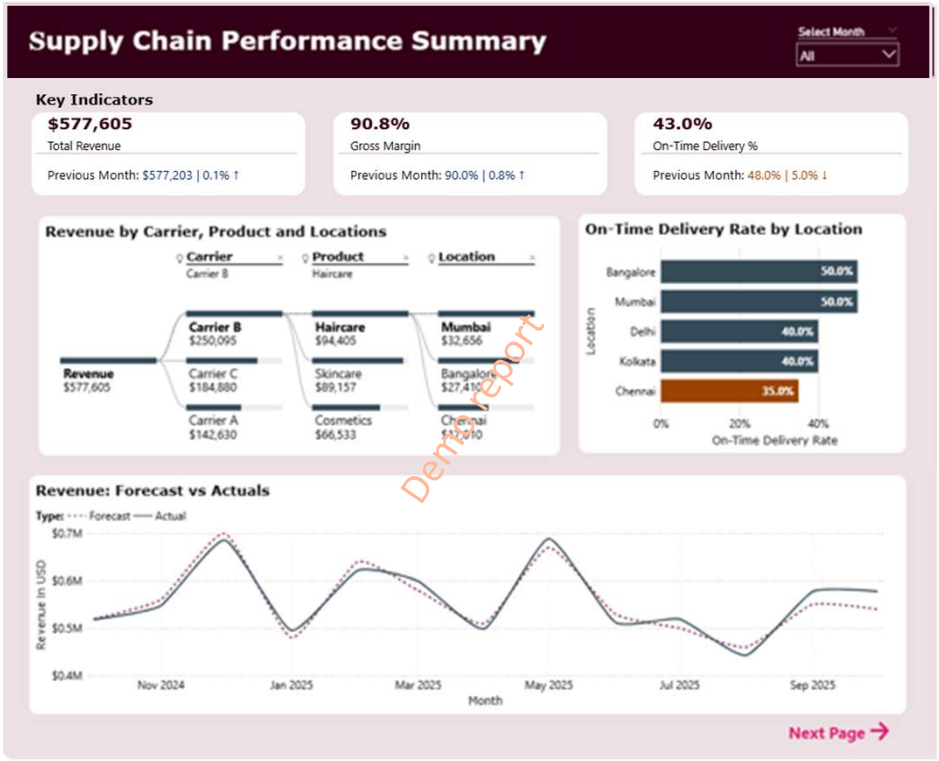
Project Code	Current Month	Previous Month	MoM %
Alpha-001	£30,000	£29,500	1.7%
Beta-002	£16,800	£16,800	0.0%
Gamma-003	£31,700	£30,300	4.6%
Delta-004	£20,000	£21,200	-5.7%



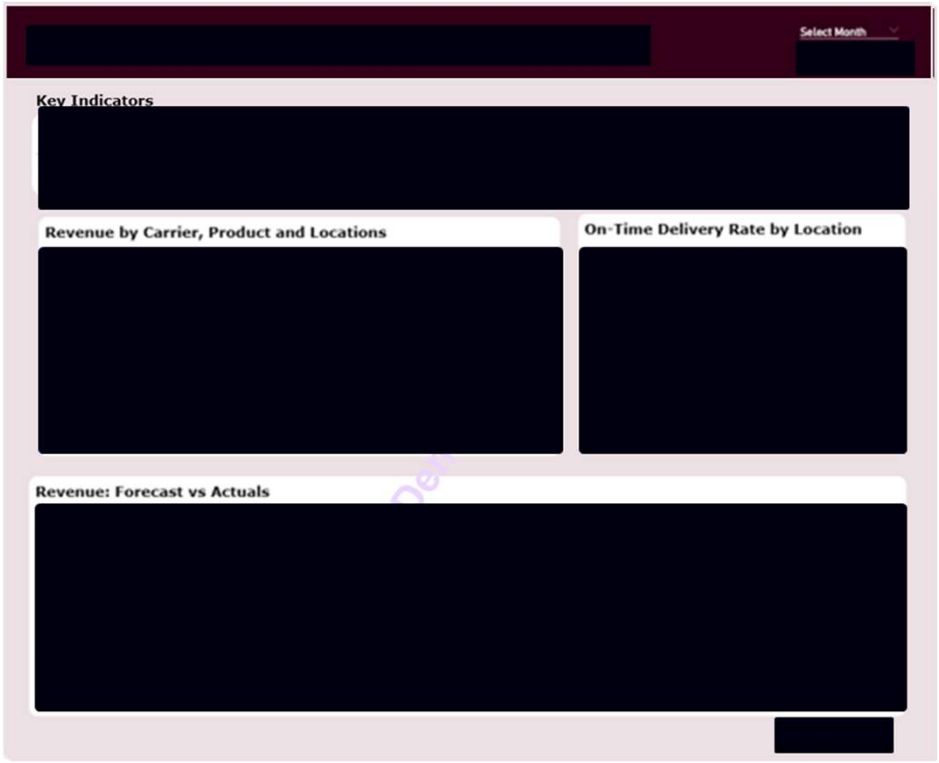


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Incorrect Tab Order



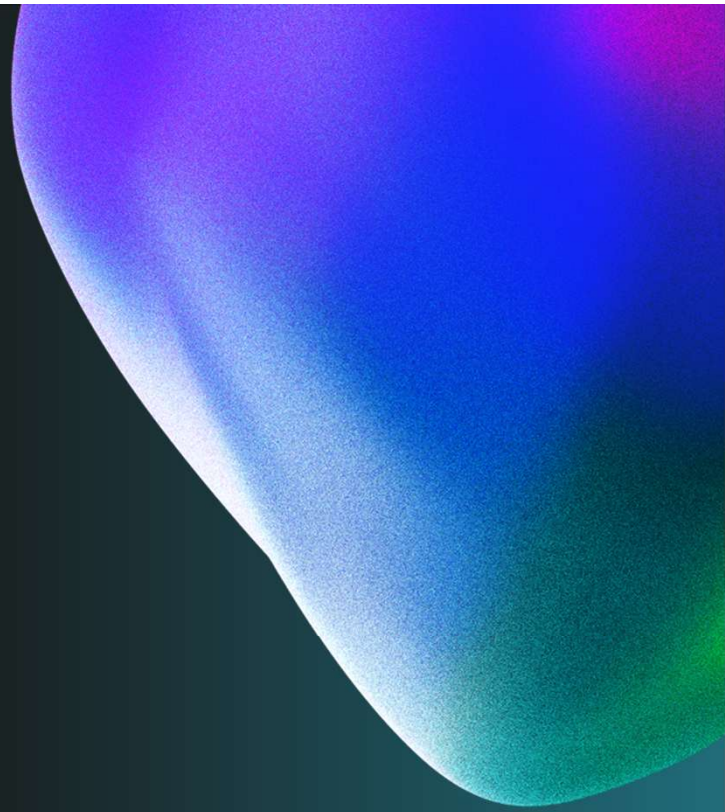
No Alt Text



Navigating a report relying on screen reader with no alt text

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Web Content Accessibility Guidelines (WCAG)



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Web Content Accessibility Guidelines

"Globally recognised standards designed to make digital content accessible to people with disabilities developed by the World Wide Web Consortium."

Accessibility Area	WCAG 2.0 Since 2008	WCAG 2.1 Since 2018	WCAG 2.2 Since 2023
Mobile Friendly	✗	✗	✓
Low Vision	✗	✓	✓
Cognitive Access	✗	✓	✓
Easy Interactions	✗	✓	✓
Enhancements: Authentication, Focus, Help, Target Size, Redundant Entry	✗	✗	✓
Status	**Basic Features** !	**Widely Adopted**	**Latest Advanced** ★

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POUR Principles



Perceivable

Information and UI components must be presented in ways that users can perceive through one or more senses.



Operable

UI components and navigation must be operable through a range of input methods (for example keyboard, mouse, or touch).



Understandable

Interfaces should be easy to read, predictable in behaviour, and designed to help users to avoid and recover from errors.

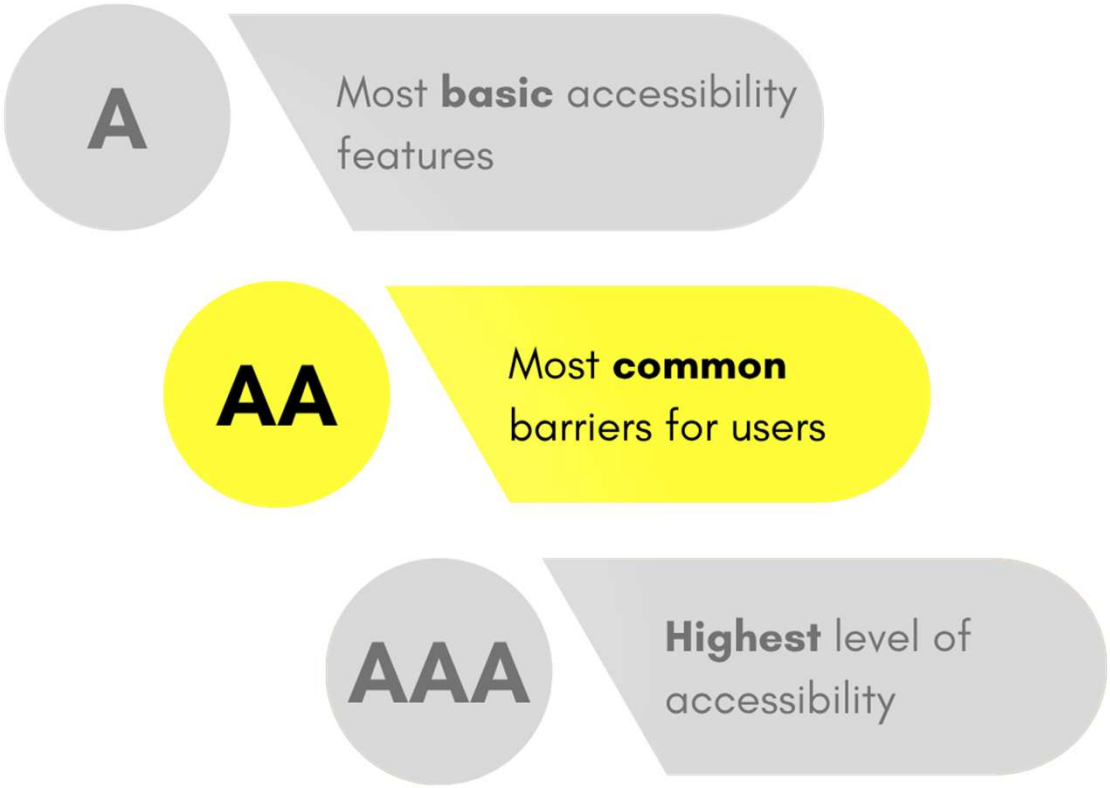


Robust

Content must be robust enough to be interpreted reliably by different user agents, including assistive technologies.

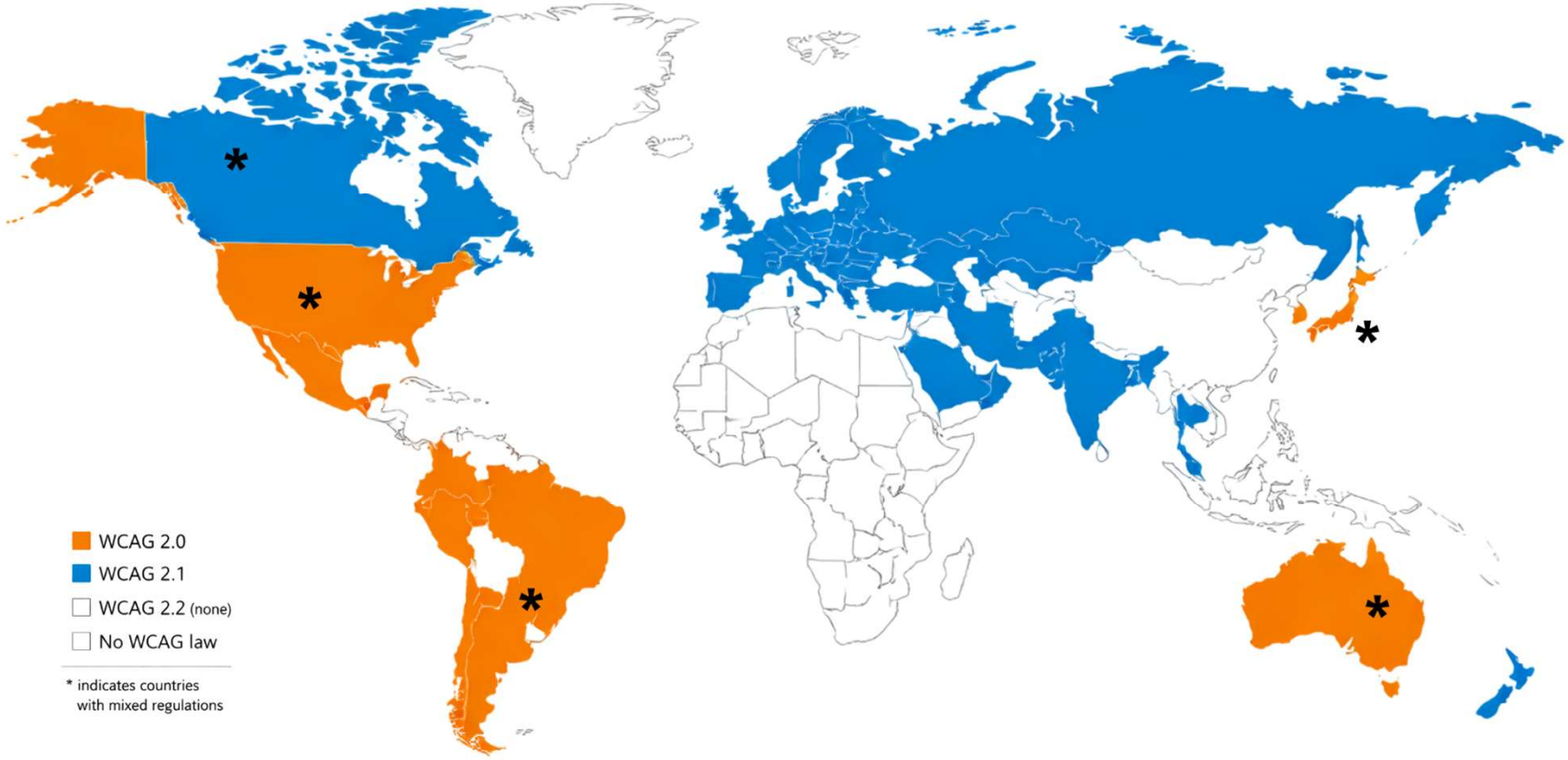
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Levels of Compliance



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Laws and Regulations Worldwide



WCAG 2.0
WCAG 2.1
WCAG 2.2 (none)
No WCAG law

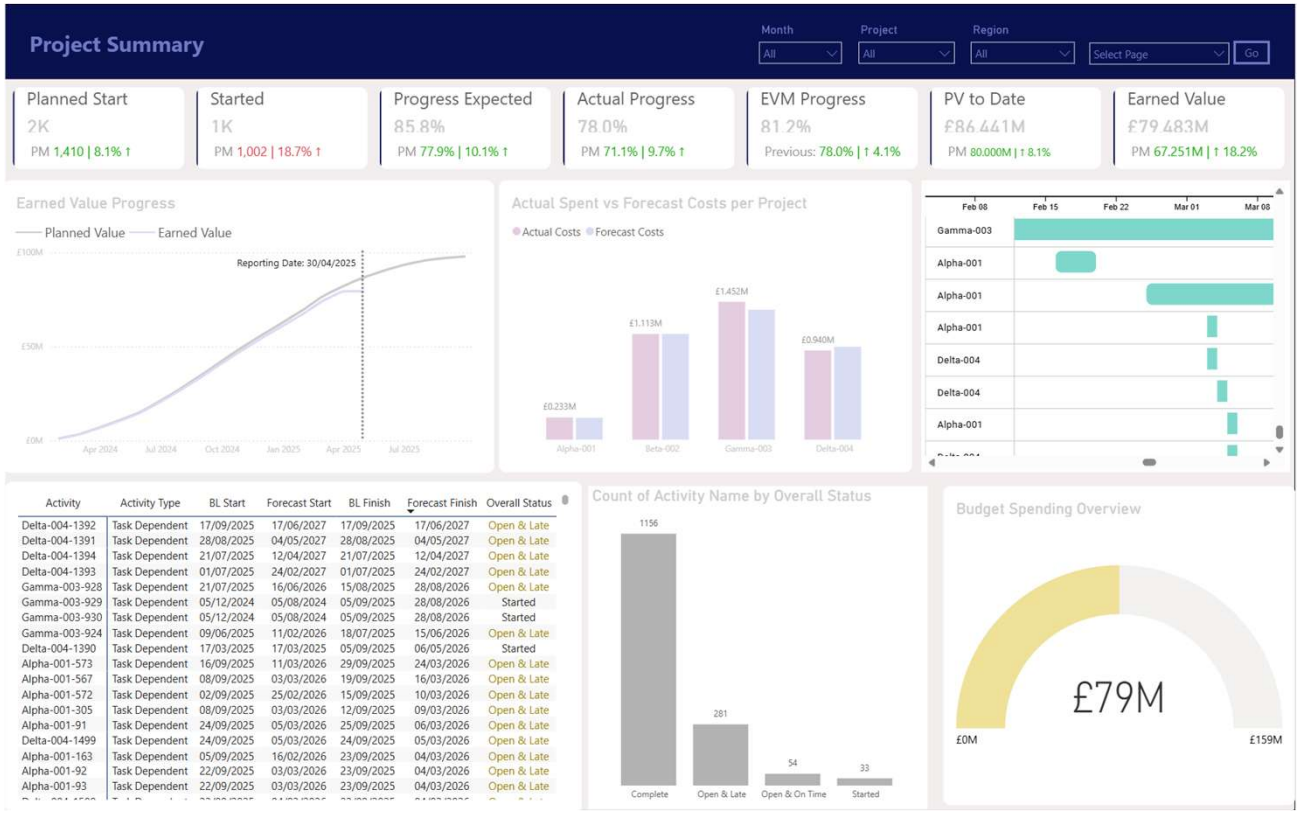
* Countries with mixed regulations

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Making Content Perceivable



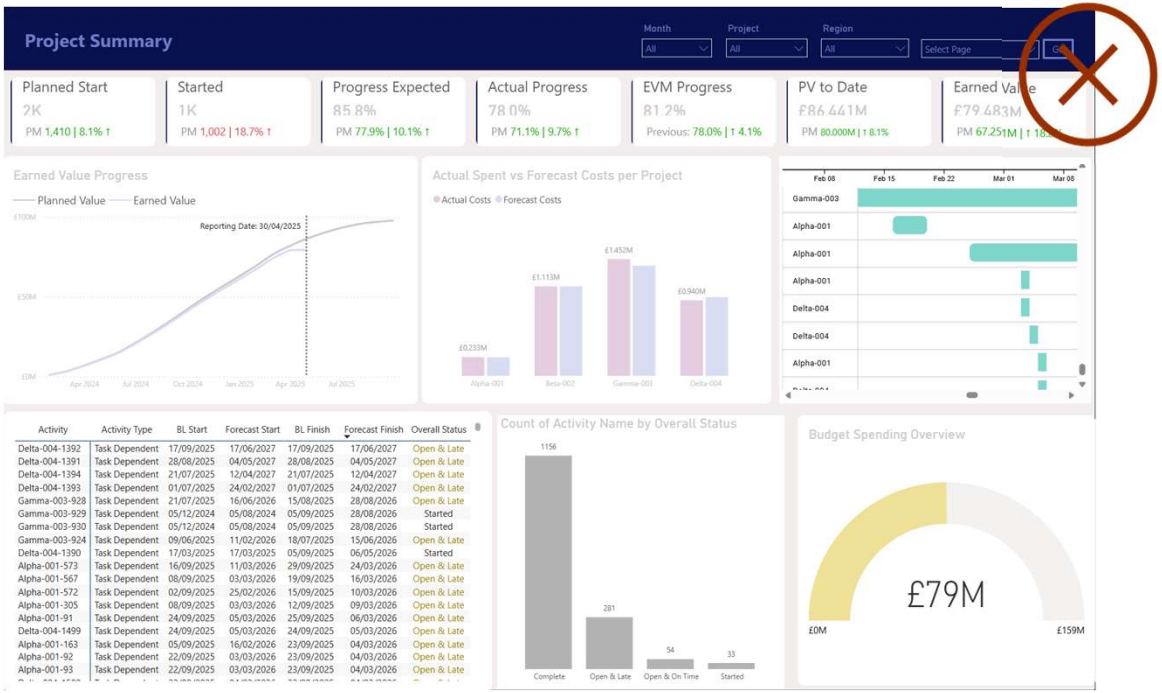
Bringing Order to the Design



Meaningful Sequence (WCAG 1.3.2)

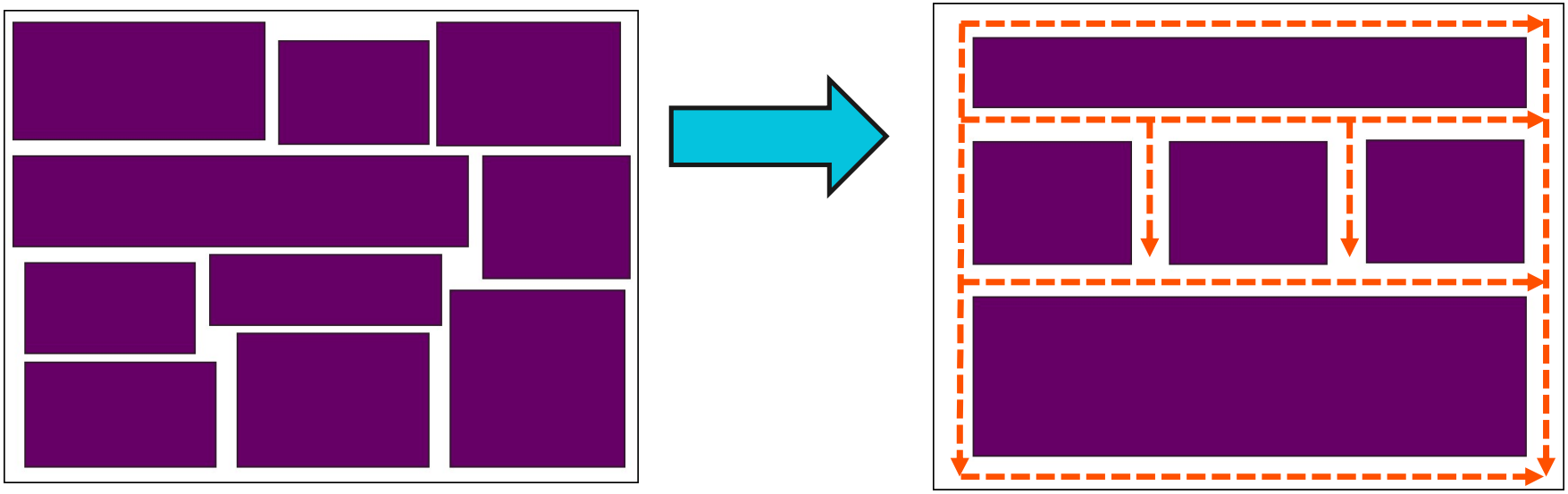
- Arrange visuals and content in a logical reading order.
- Avoid placing key visuals in a way that disrupts natural reading flow.





White Space = Breathing Room

Refers to the empty areas between elements >> prevent dashboards from feeling overwhelming



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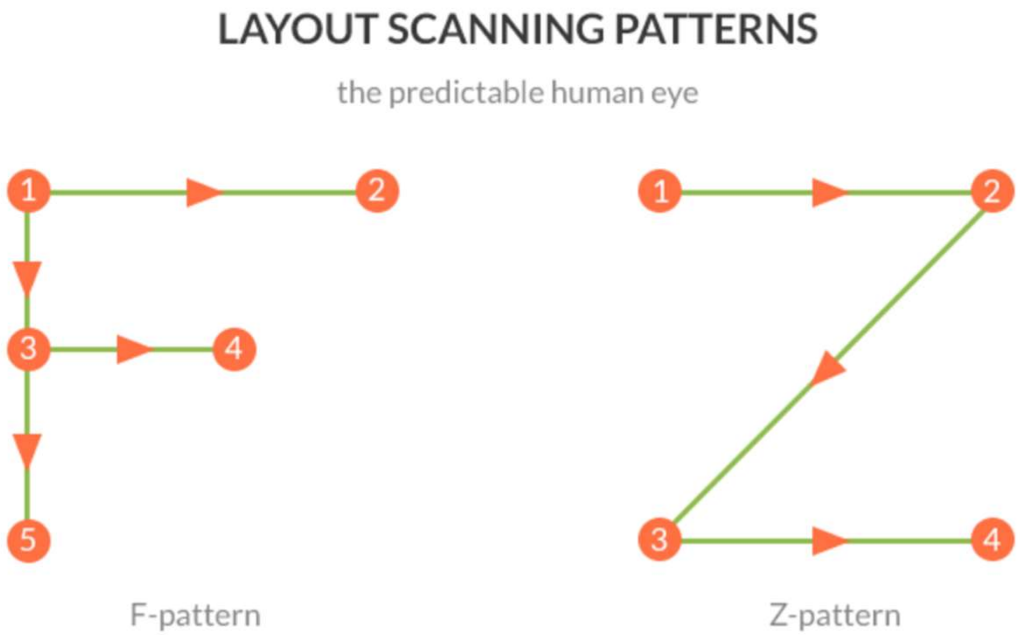
White Space = Breathing Room

Benefit	WCAG	Impact
Readability	1.4.8	Easier to read and scan text
Cognitive clarity	Cognitive Patterns	Reduces overwhelm and confusion
Navigation	2.4.3, 2.4.7	Improves focus and flow
Touch accessibility	2.5.8	Easier to interact with controls

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Scanning Patterns

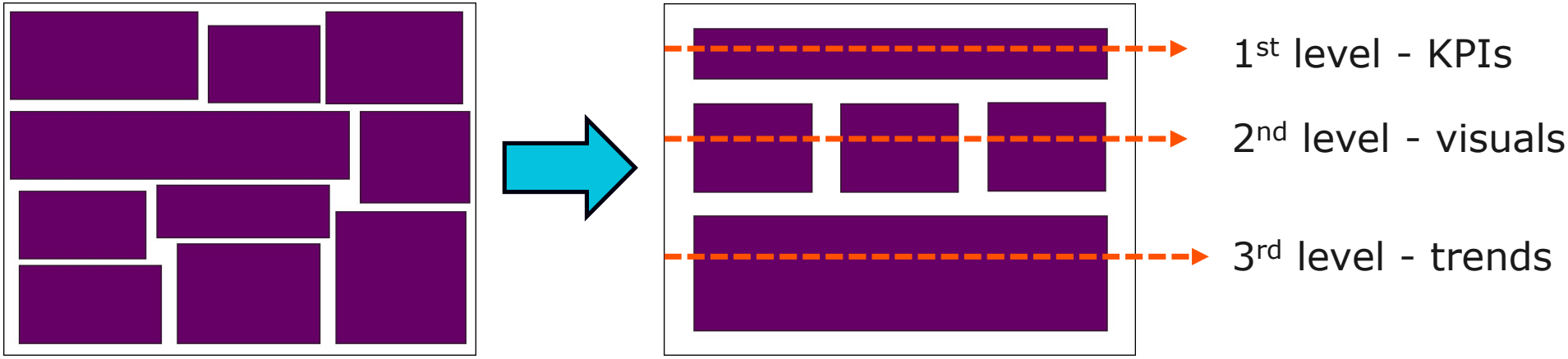
Natural way we visually move across an interface to find and understand information



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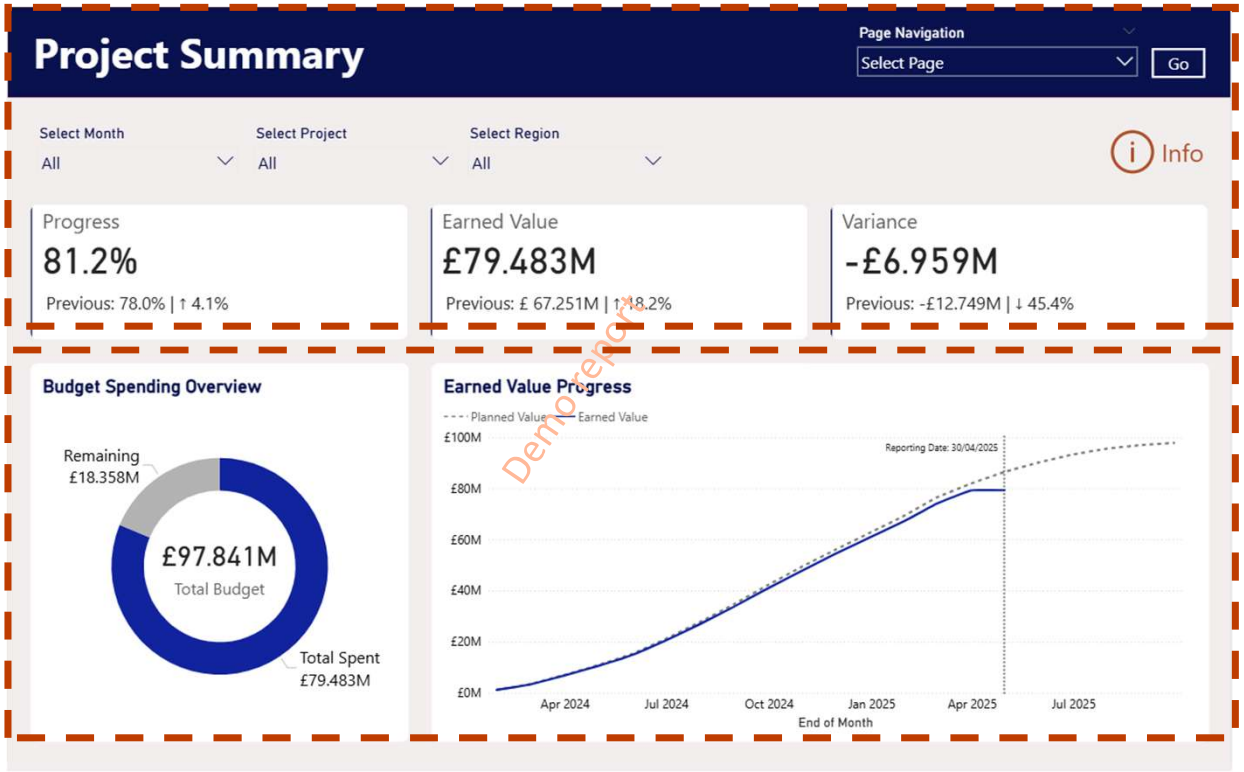
Information Hierarchy

The logical structuring of content based on its importance, relevance, or sequence



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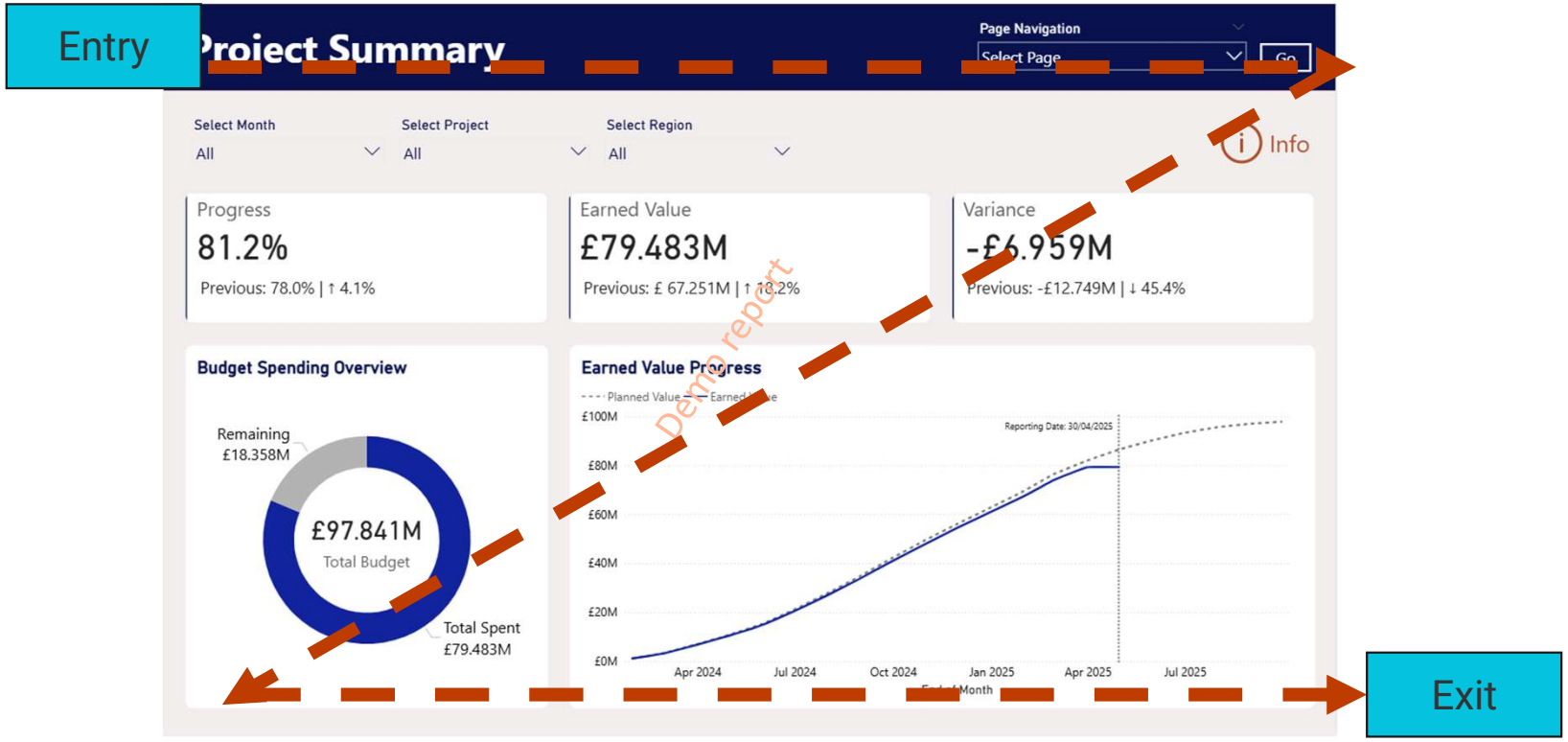
Meaningful Sequence (WCAG 1.3.2)



1st level

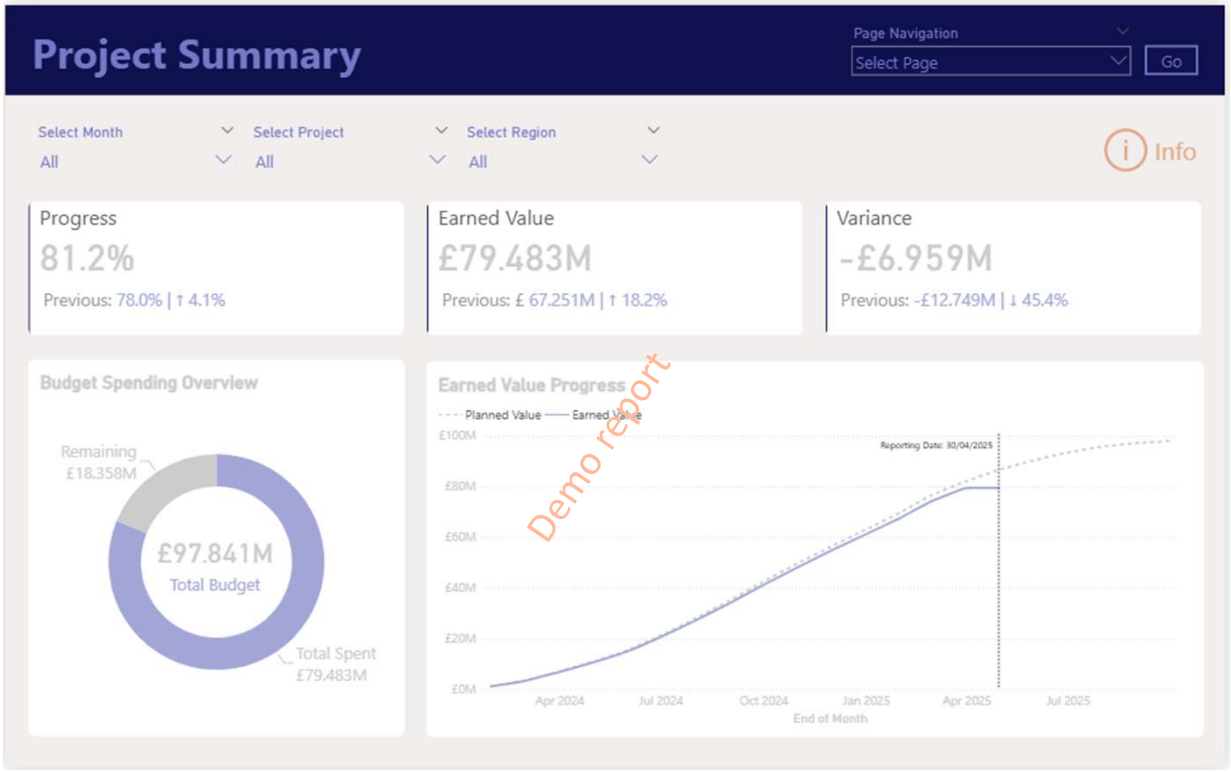
2nd level

Meaningful Sequence (WCAG 1.3.2)



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Improving Colour Contrast







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Content Distinguishable (WCAG 1.4.1)

Make it easier for users to see and hear content including separating foreground from background.

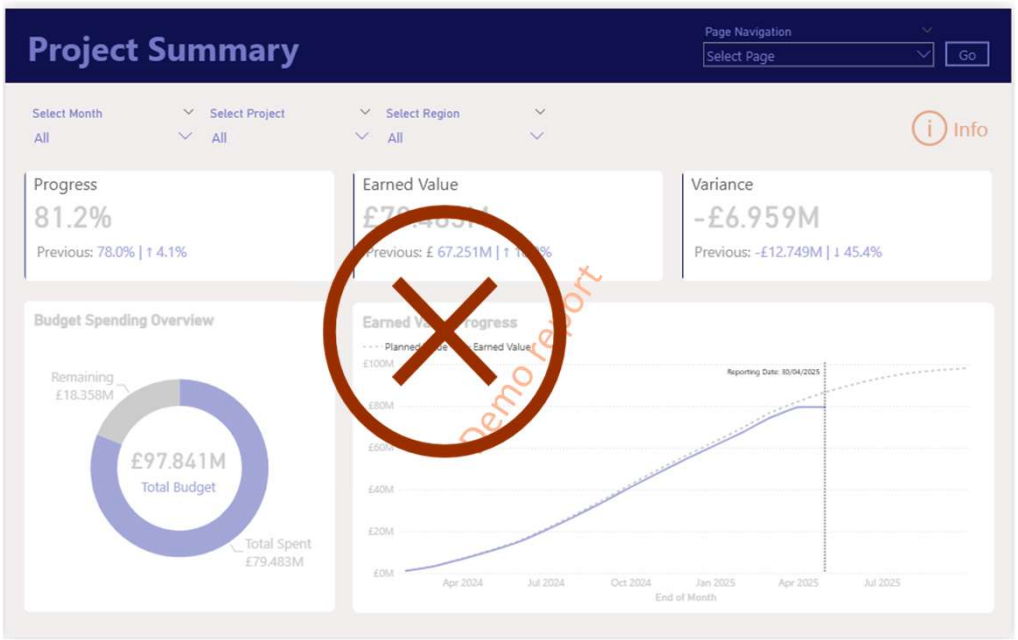
Type of content	AA	AAA
Body Text	4.5:1	7:1
Large-scale text (18-pt text or 14-pt bold text)	3:1	4.5:1
Non-text Contrast	3:1	Not specified

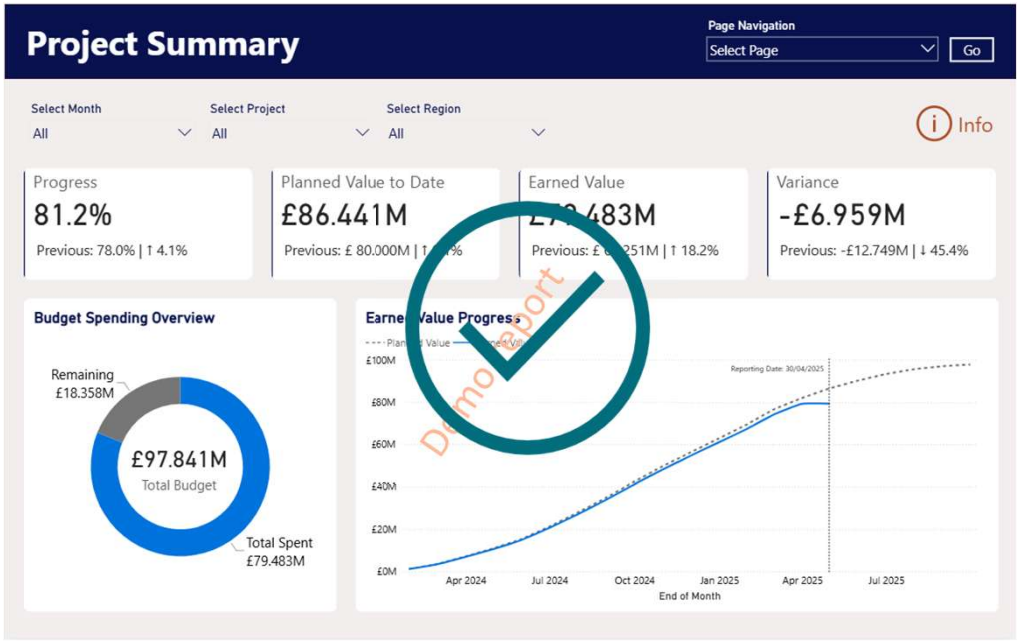
Exceptions

- Incidental text & Logotypes

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Content Distinguishable (WCAG 1.4.1)





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Colour Blindness Considerations

Colour-blindness (350 million people worldwide)







Credit: Mikey Bronowski

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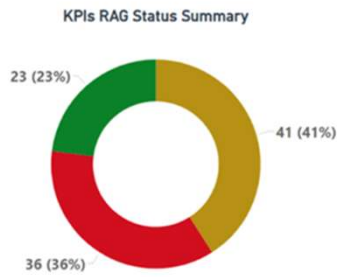
Colour Blindness Considerations

Colour-blindness (350 million people worldwide)

Cost Per Project: Current vs. Previous Month

Project Code	Current Month	Previous Month	MoM %
Alpha-001	£30,000	£29,500	1.7%
Beta-002	£16,800	£16,800	0.0%
Gamma-003	£31,700	£30,300	4.6%
Delta-004	£20,000	£21,200	-5.7%

Standard view



Colour Blindness Considerations

Colour-blindness (350 million people worldwide)

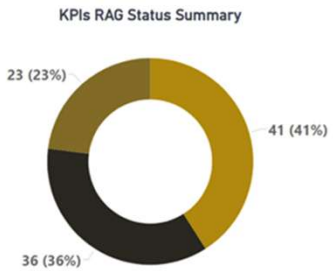


Protanopia (red)

Cost Per Project: Current vs. Previous Month

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Standard view

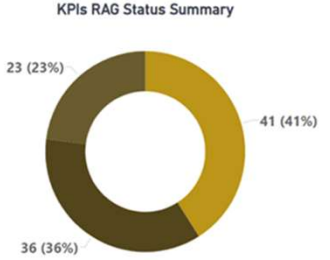


Deuteranopia (green)

Cost Per Project: Current vs. Previous Month

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Standard view



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Content Distinguishable (WCAG 1.4.1)

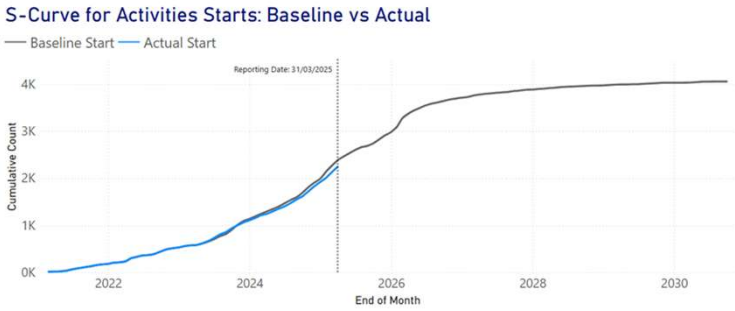
Avoid Colour-Only Meaning

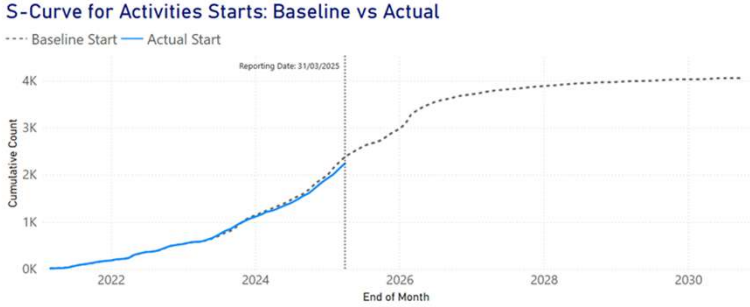
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Colour Blindness Considerations

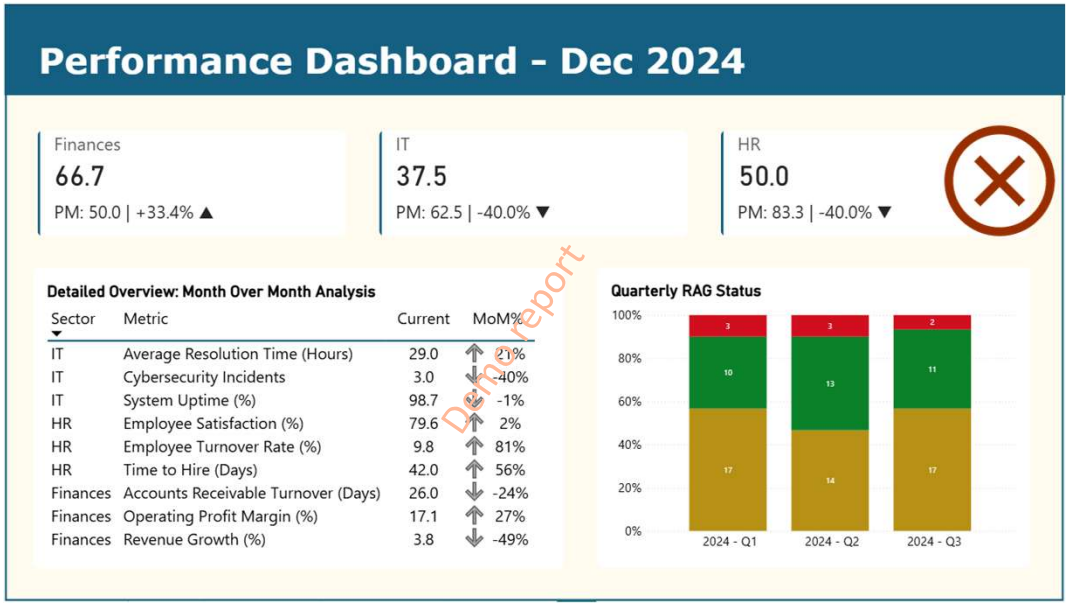
Accessible Colour Combinations

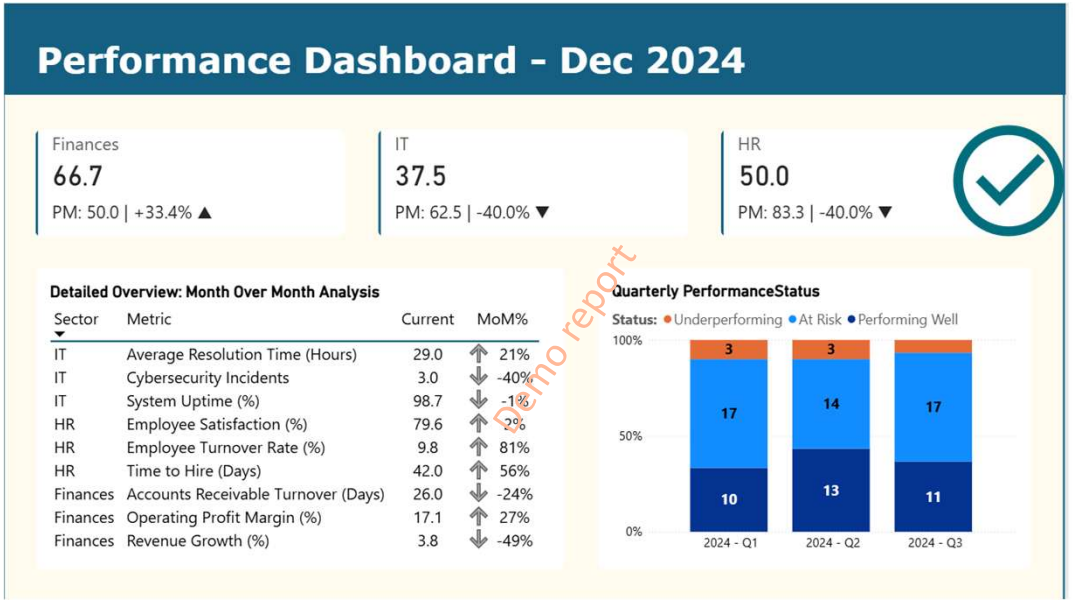
Standard	Alternative	Meaning
	#E66C37	Underperforming
	#118DFF	At Risk
	#043391	Performing Well

PBIX A11y
Colour Blindness
Simulator

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Colour Blindness Considerations





Improving Font Size

"Typography is the art and technique of arranging type to make written language legible, readable, and appealing when displayed. Legibility refers to the distinguishing features of the different characters in a font, and readability refers to the ease at which you eye can scan words and sentences and make sense of them quickly. Typography encompasses everything from font choice to spacing and sizing."



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Resize Text (WCAG 1.4.4)

Text can be resized up to 200% without loss of content or functionality.

Power BI doesn’t support true “responsive” text scaling >> user larger size

Your Title Here – Size 28-32

Your Headers 2 here – Size 20-24

Your Headers 3 here – Size 18-16

Body text here – Size 14-16

Data Labels – Size 12 - 14

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Resize Text (WCAG 1.4.4)

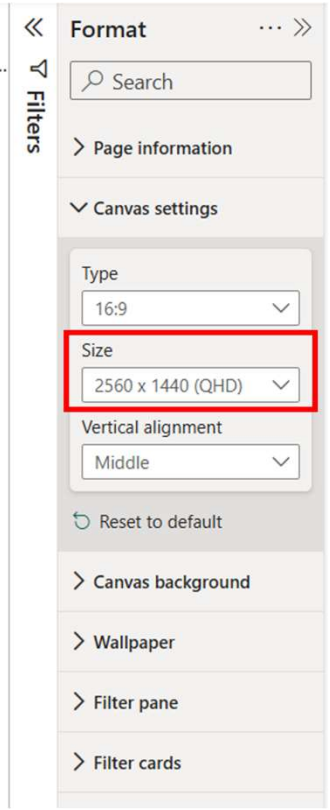
Font size: Title = 20 | Values: 12



Font size: Title = 40 | Values = 24

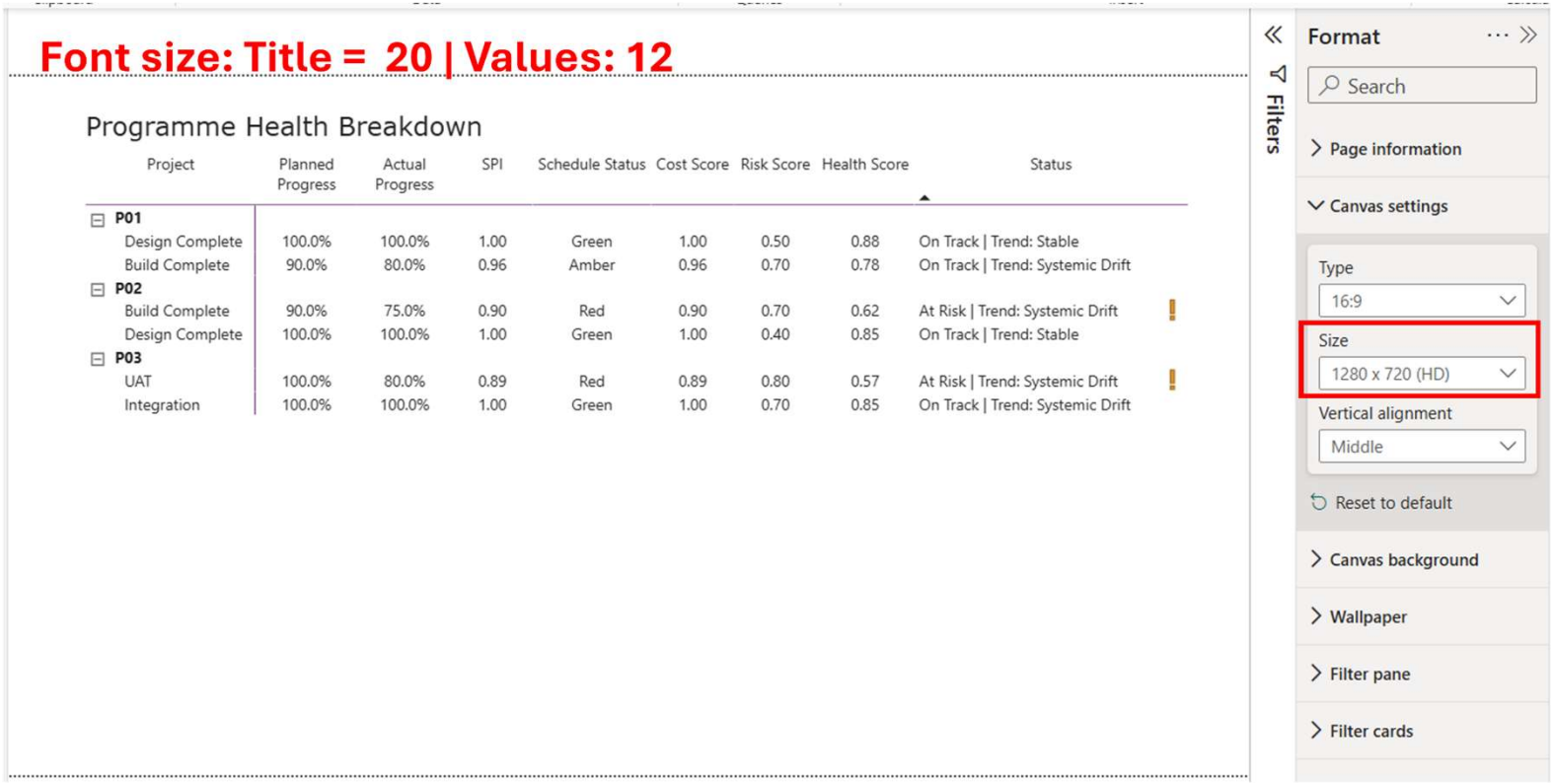
Programme Health Breakdown

Project	Planned Progress	Actual Progress	SPI	Schedule Status	Cost Score	Risk Score	Health Score	Status
P01								
Design Complete	100.0%	100.0%	1.00	Green	1.00	0.50	0.88	On Track | Trend: Stable
Build Complete	90.0%	80.0%	0.96	Amber	0.96	0.70	0.78	On Track | Trend: Systemic Drift
P02								
Design Complete	100.0%	100.0%	1.00	Green	1.00	0.40	0.85	On Track | Trend: Stable
Build Complete	90.0%	75.0%	0.90	Red	0.90	0.70	0.62	At Risk | Trend: Systemic Drift
P03								
Integration	100.0%	100.0%	1.00	Green	1.00	0.70	0.85	On Track | Trend: Systemic Drift
UAT	100.0%	80.0%	0.89	Red	0.89	0.80	0.57	At Risk | Trend: Systemic Drift



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Resize Text (WCAG 1.4.4)

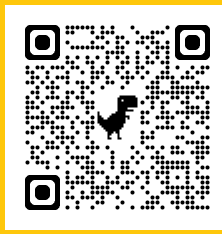


Resize Text (WCAG 1.4.4)

$$\text{New Font Size} = \text{Base Font Size} \times \left(\frac{\text{New Canvas Height}}{\text{Base Canvas Height}} \right)$$

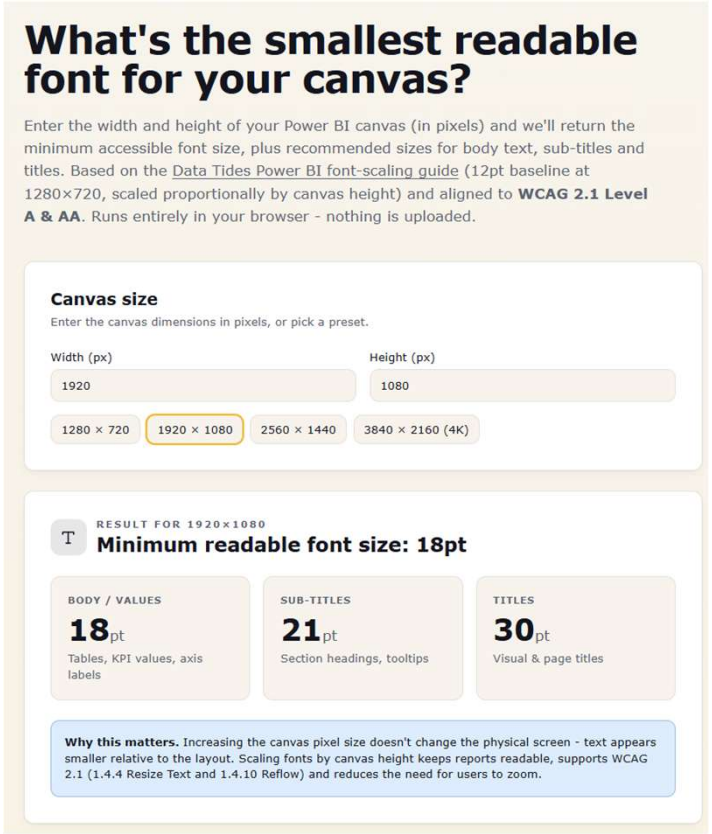
- Base Font Size = 12 pt at
- Base Canvas Size: 1280 × 720

Power BI Font Scaling Guide for New Canvas Sizes



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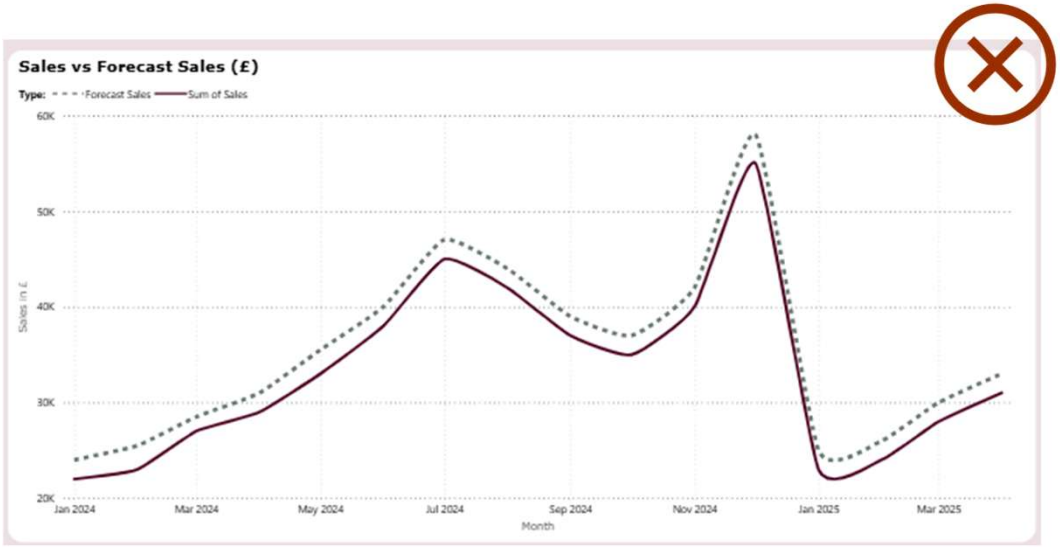
Resize Text (WCAG 1.4.4)

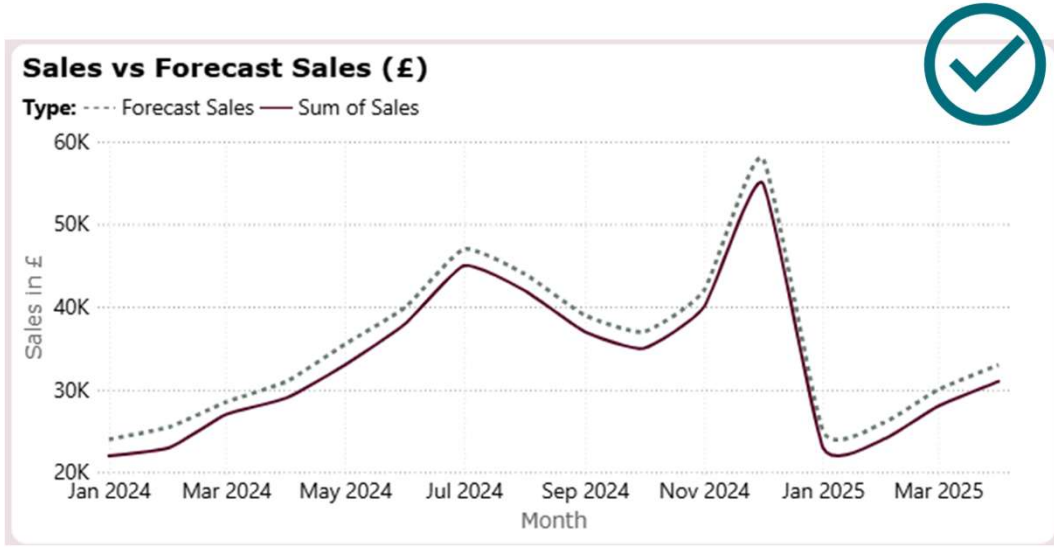


PBIX A11y:Minimum Font Size Calculator

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Improving Font Size





Font Legibility Best Practices

Font style and legibility directly affect how easily text can be seen and understood. Character differentiation is key.

UI Design best practices: use Sans serif fonts.

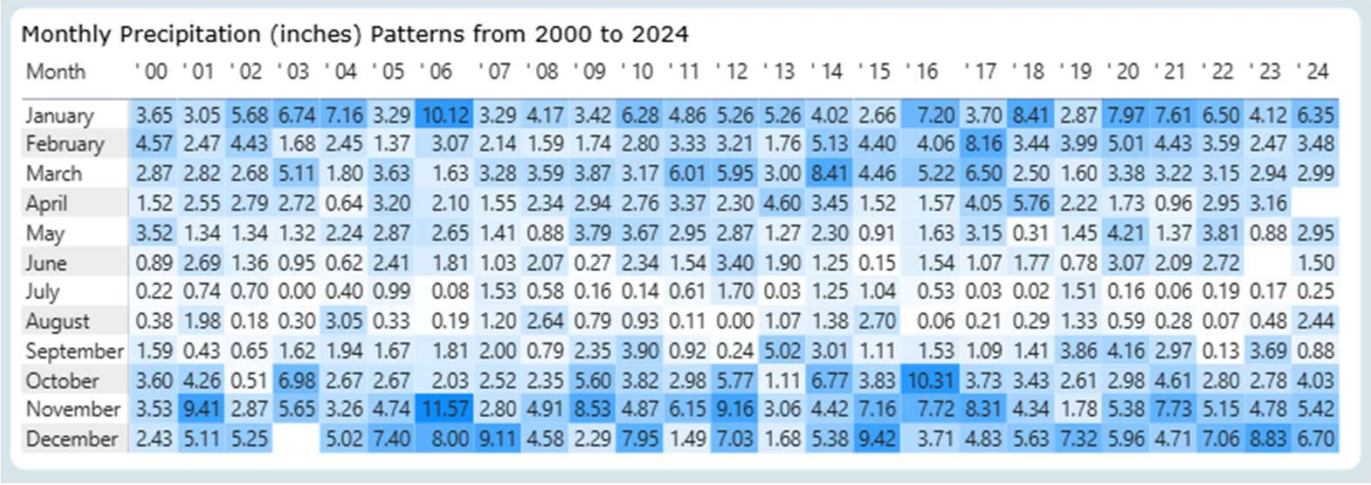




ZURE

Text Alternatives (WCAG 1.1.1)

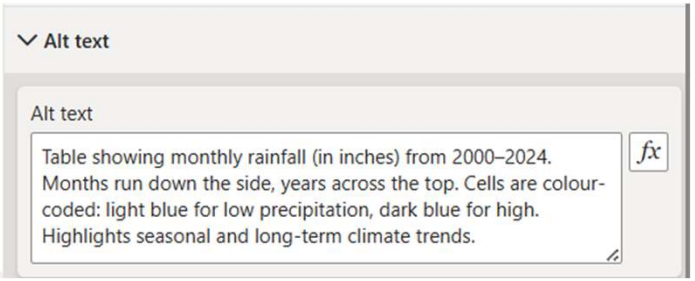
If an image, including icons, conveys important information, it must have alt text that describes its purpose.



Monthly Precipitation (inches) Patterns from 2000 to 2024

Month	'00	'01	'02	'03	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24
January	3.65	3.05	5.68	6.74	7.16	3.29	10.12	3.29	4.17	3.42	6.28	4.86	5.26	5.26	4.02	2.66	7.20	3.70	8.41	2.87	7.97	7.61	6.50	4.12	6.35
February	4.57	2.47	4.43	1.68	2.45	1.37	3.07	2.14	1.59	1.74	2.80	3.33	3.21	1.76	5.13	4.40	4.06	8.16	3.44	3.99	5.01	4.43	3.59	2.47	3.48
March	2.87	2.82	2.68	5.11	1.80	3.63	1.63	3.28	3.59	3.87	3.17	6.01	5.95	3.00	8.41	4.46	5.22	6.50	2.50	1.60	3.38	3.22	3.15	2.94	2.99
April	1.52	2.55	2.79	2.72	0.64	3.20	2.10	1.55	2.34	2.94	2.76	3.37	2.30	4.60	3.45	1.52	1.57	4.05	5.76	2.22	1.73	0.96	2.95	3.16	
May	3.52	1.34	1.34	1.32	2.24	2.87	2.65	1.41	0.88	3.79	3.67	2.95	2.87	1.27	2.30	0.91	1.63	3.15	0.31	1.45	4.21	1.37	3.81	0.88	2.95
June	0.89	2.69	1.36	0.95	0.62	2.41	1.81	1.03	2.07	0.27	2.34	1.54	3.40	1.90	1.25	0.15	1.54	1.07	1.77	0.78	3.07	2.09	2.72		1.50
July	0.22	0.74	0.70	0.00	0.40	0.99	0.08	1.53	0.58	0.16	0.14	0.61	1.70	0.03	1.25	1.04	0.53	0.03	0.02	1.51	0.16	0.06	0.19	0.17	0.25
August	0.38	1.98	0.18	0.30	3.05	0.33	0.19	1.20	2.64	0.79	0.93	0.11	0.00	1.07	1.38	2.70	0.06	0.21	0.29	1.33	0.59	0.28	0.07	0.48	2.44
September	1.59	0.43	0.65	1.62	1.94	1.67	1.81	2.00	0.79	2.35	3.90	0.92	0.24	5.02	3.01	1.11	1.53	1.09	1.41	3.86	4.16	2.97	0.13	3.69	0.88
October	3.60	4.26	0.51	6.98	2.67	2.67	2.03	2.52	2.35	5.60	3.82	2.98	5.77	1.11	6.77	3.83	10.31	3.73	3.43	2.61	2.98	4.61	2.80	2.78	4.03
November	3.53	9.41	2.87	5.65	3.26	4.74	11.57	2.80	4.91	8.53	4.87	6.15	9.16	3.06	4.42	7.16	7.72	8.31	4.34	1.78	5.38	7.73	5.15	4.78	5.42
December	2.43	5.11	5.25		5.02	7.40	8.00	9.11	4.58	2.29	7.95	1.49	7.03	1.68	5.38	9.42	3.71	4.83	5.63	7.32	5.96	4.71	7.06	8.83	6.70

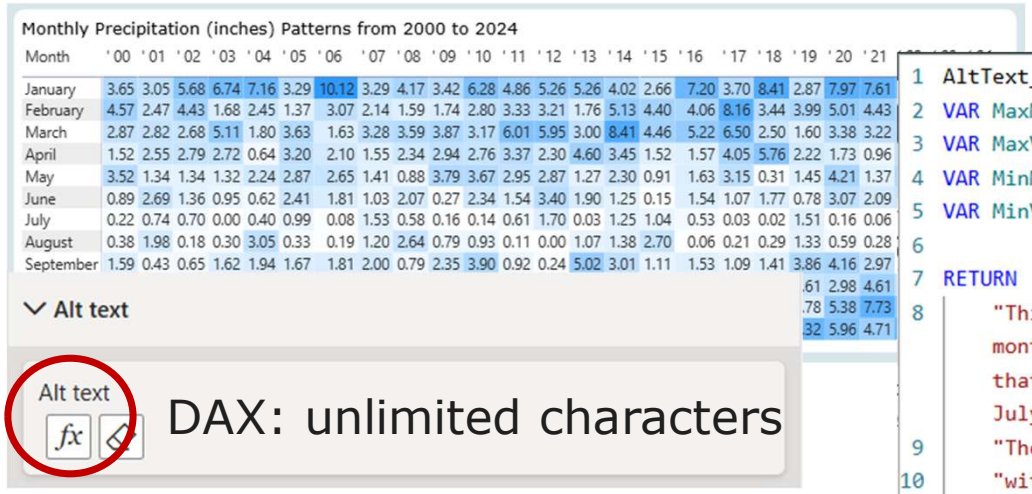
Type in: limit 250 characters



ZURE

Text Alternatives (WCAG 1.1.1)

Use dynamic alt text measures to describe visuals contextually.




```dax
AltText_PRCP_MatrixChart =
VAR MaxMonthText = [_Label_MaxMonth_PRCP]
VAR MaxValue = [_PRCP_MaxMonth]
VAR MinMonthText = [_Label_MinMonth_PRCP]
VAR MinValue = [_PRCP_MinMonth]

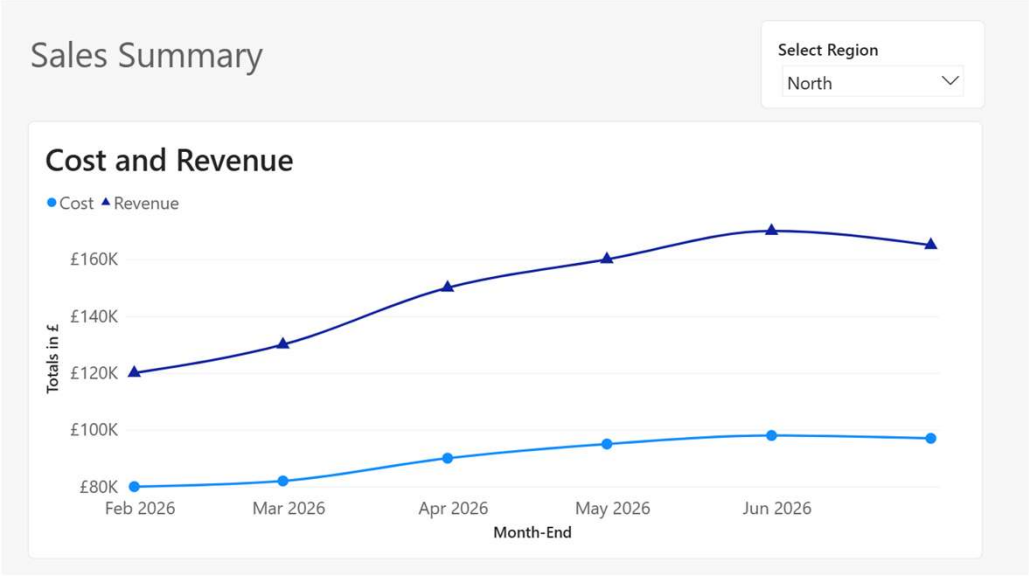
RETURN
    "This chart visualises monthly precipitation patterns from 2000 to 2024. Wet
    months tend to cluster around December and January, often showing darker shades
    that indicate higher rainfall. Drier months are more frequent between April and
    July, with lighter tones suggesting reduced precipitation. " &
    "The highest recorded precipitation occurred in " & MaxMonthText &
    "with a total of " & FORMAT(MaxValue, "0.00") & " inches. " &
    "The lowest precipitation was observed in " & MinMonthText &
    "with only " & FORMAT(MinValue, "0.00") & " inches."
```

ZURE

Dynamic Alt Text

User Defined Functions vs Only DAX





ZURE

Dynamic Alt Text

DAX Measure

Use dynamic alt text measures to describe visuals contextually.

```
AltText_LineChart_DAX =
VAR TrendPeriod = [Trend Period]
VAR MeasuresText = "Revenue and Cost"
VAR CategoryText = BLANK()
VAR FiltersText = [Region Filters]
VAR UnitsText = "GBP"

/* ---MoM logic --- */
VAR RevChange = [MoM % Revenue]
VAR CostChange = [MoM % Cost]

VAR CurrentMonth = [Latest Reporting Month]
VAR PrevMonth    = [Previous Reporting Month]

/* --- Current and Previous Month Values --- */
VAR RevCurrent = [Revenue Current Month]
VAR RevPrev    = [Revenue Previous Month]

VAR CostCurrent = [Cost Current Month]
VAR CostPrev    = [Cost Previous Month]

/* --- YTD Values --- */
VAR RevYTD  = [Revenue YTD]
VAR CostYTD = [Cost YTD]

/* --- Trend wording --- */
VAR RevTrendText =
    SWITCH(
        TRUE(),
        ISBLANK(RevChange), "Revenue trend unavailable",
        RevChange > 0.05,  "Revenue is increasing strongly",
        RevChange > 0,     "Revenue is increasing slightly",
        RevChange < -0.05, "Revenue is decreasing significantly",
        RevChange < 0,     "Revenue is decreasing slightly",
        "Revenue is stable"
    )

VAR CostTrendText =
    SWITCH(
        TRUE(),
        ISBLANK(CostChange), "Cost trend unavailable",
        CostChange > 0.05,  "Cost is increasing strongly",
        CostChange > 0,     "Cost is increasing slightly",
        CostChange < -0.05, "Cost is decreasing significantly",
        CostChange < 0,     "Cost is decreasing slightly",
        "Cost is stable"
    )

/* --- Detailed insight sentences --- */
VAR CostInsight =
    CostTrendText & ". Current month cost is " &
    FORMAT(CostCurrent, "#,##0") & ", " &
    FORMAT(CostChange, "0.0%") & " " &
    IF(CostChange < 0, "lower", "higher") &
    " than the previous month (" &
    FORMAT(CostPrev, "#,##0") & "). "

Continues Line 94!
```

ZURE

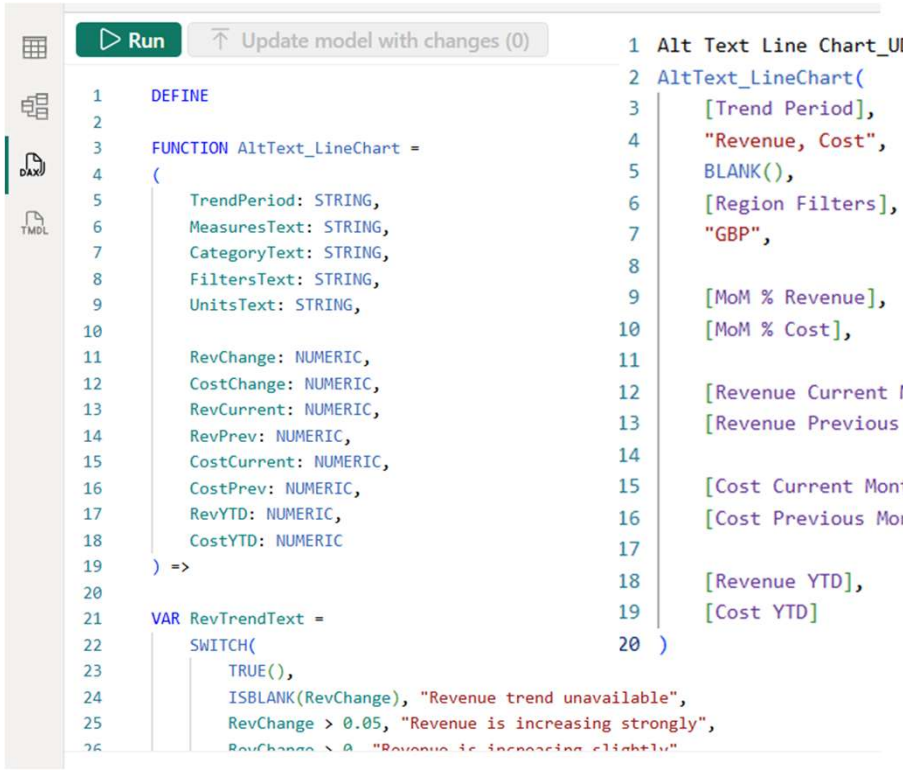
Dynamic Alt Text

User Defined Functions

Package DAX logic and reuse it like any other DAX function.

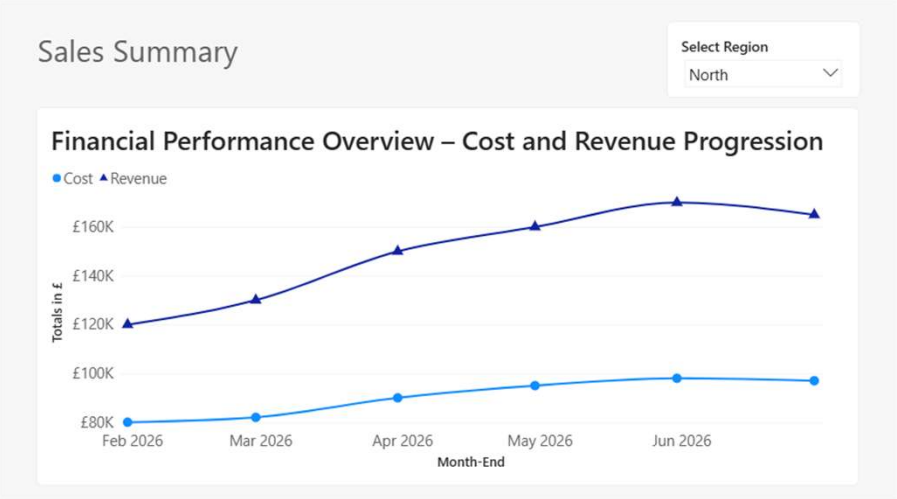
GitHub

DAX UDFs for Alt Text



ZURE

Dynamic Alt Text: Measure vs UDF



DAX measure

AltText_LineChart_DAX

Trend over Jan 2026 to Jun 2026. Measures shown: Revenue and Cost. Filters applied: Region = North, South. Cost is decreasing slightly. Current month cost is 194,000, -1.0% lower than the previous month (196,000). Revenue is decreasing slightly. Current month revenue is 330,000, -2.9% lower than the previous month (340,000). Year to date revenue is 1,765,000 and year to date cost is 1,072,000. Units: GBP.

DAX UDF

AltText_LineChart_UDF

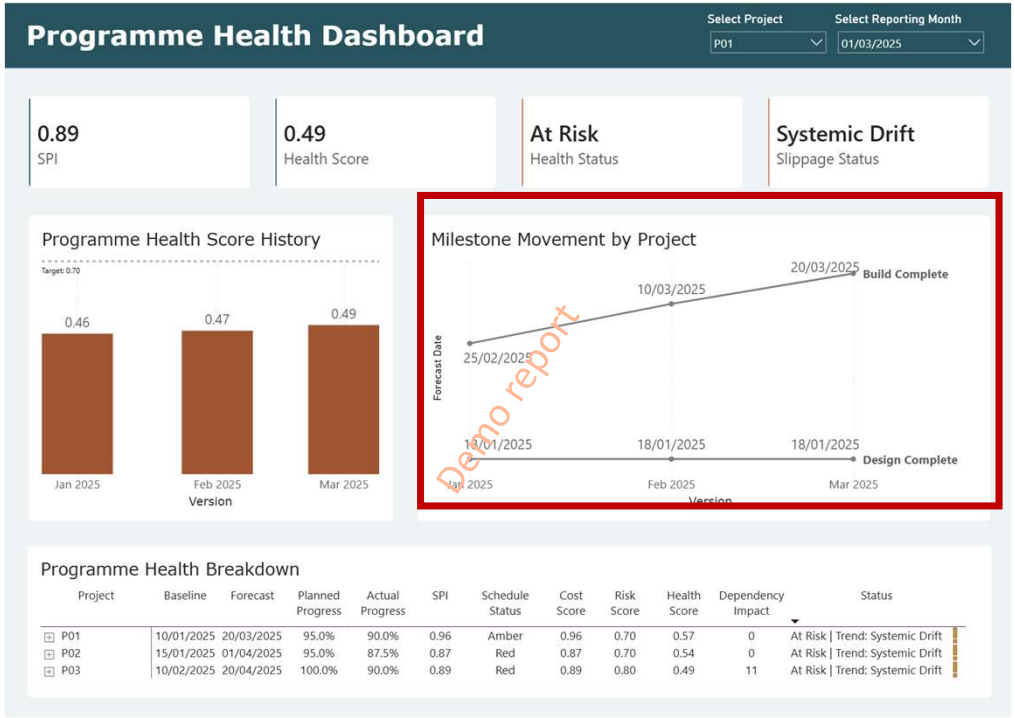
Trend over Jan 2026 to Jun 2026. Measures shown: Revenue and Cost. Filters applied: Region = North, South. Cost is decreasing slightly. Current month cost is 194,000, -1.0% lower than the previous month (196,000). Revenue is decreasing slightly. Current month revenue is 330,000, -2.9% lower than the previous month (340,000). Year to date revenue is 1,765,000 and year to date cost is 1,072,000. Units: GBP.

GitHub

DAX UDFs
for Alt Text

ZURE

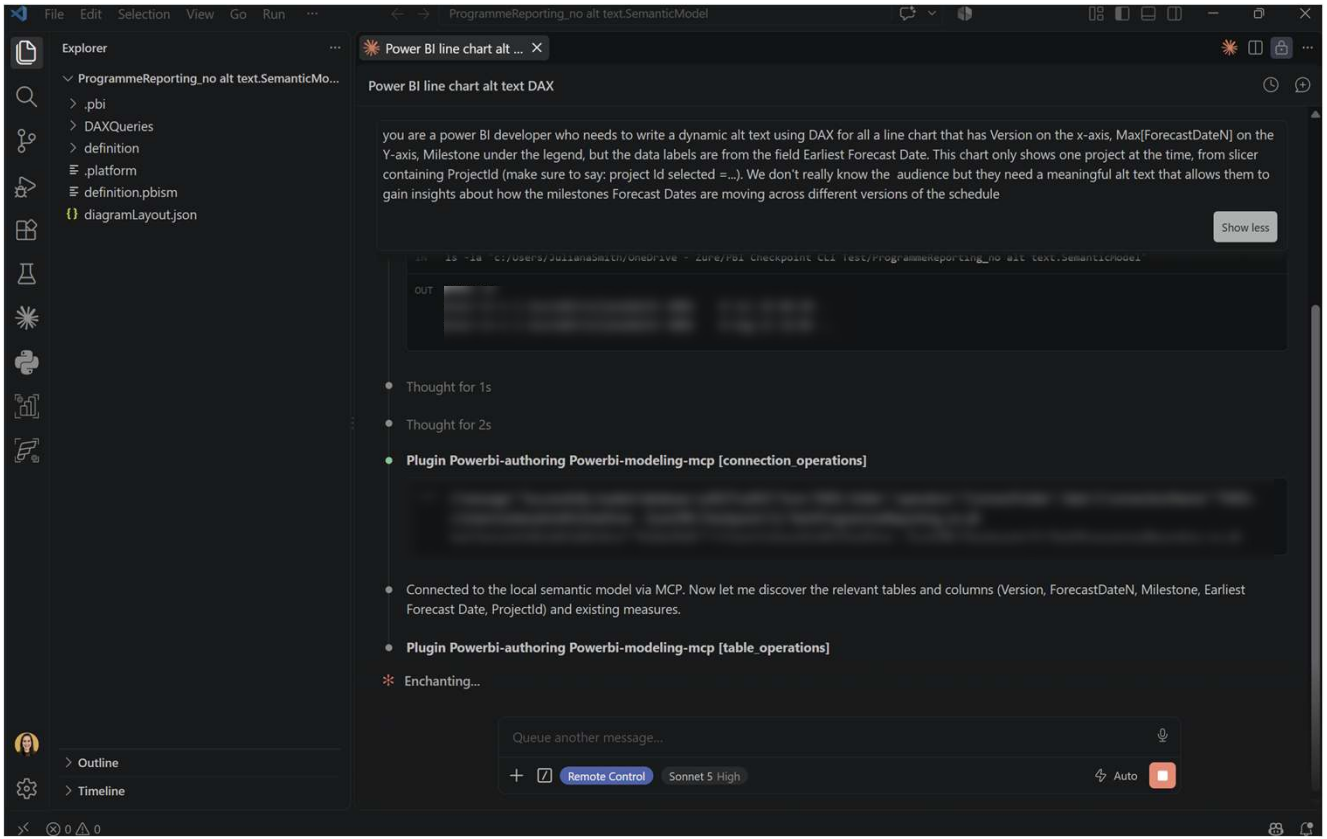
Creating Alt Text with Claude



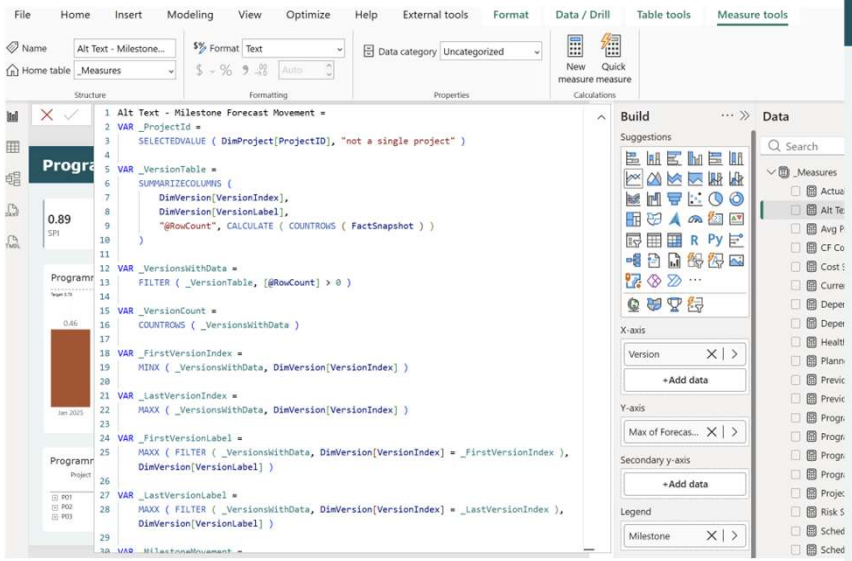
Prompt:
you are a power BI developer who needs to write a dynamic alt text using DAX for all a line chart that has Version on the x-axis, Max[ForecastDateN] on the Y-axis, Milestone under the legend, but the data labels are from the field Earliest Forecast Date. This chart only shows one project at the time, from slicer containing ProjectId (make sure to say: project Id selected =...). We don't really know the audience but they need a meaningful alt text that allows them to gain insights about how the milestones Forecast Dates are moving across different versions of the schedule.

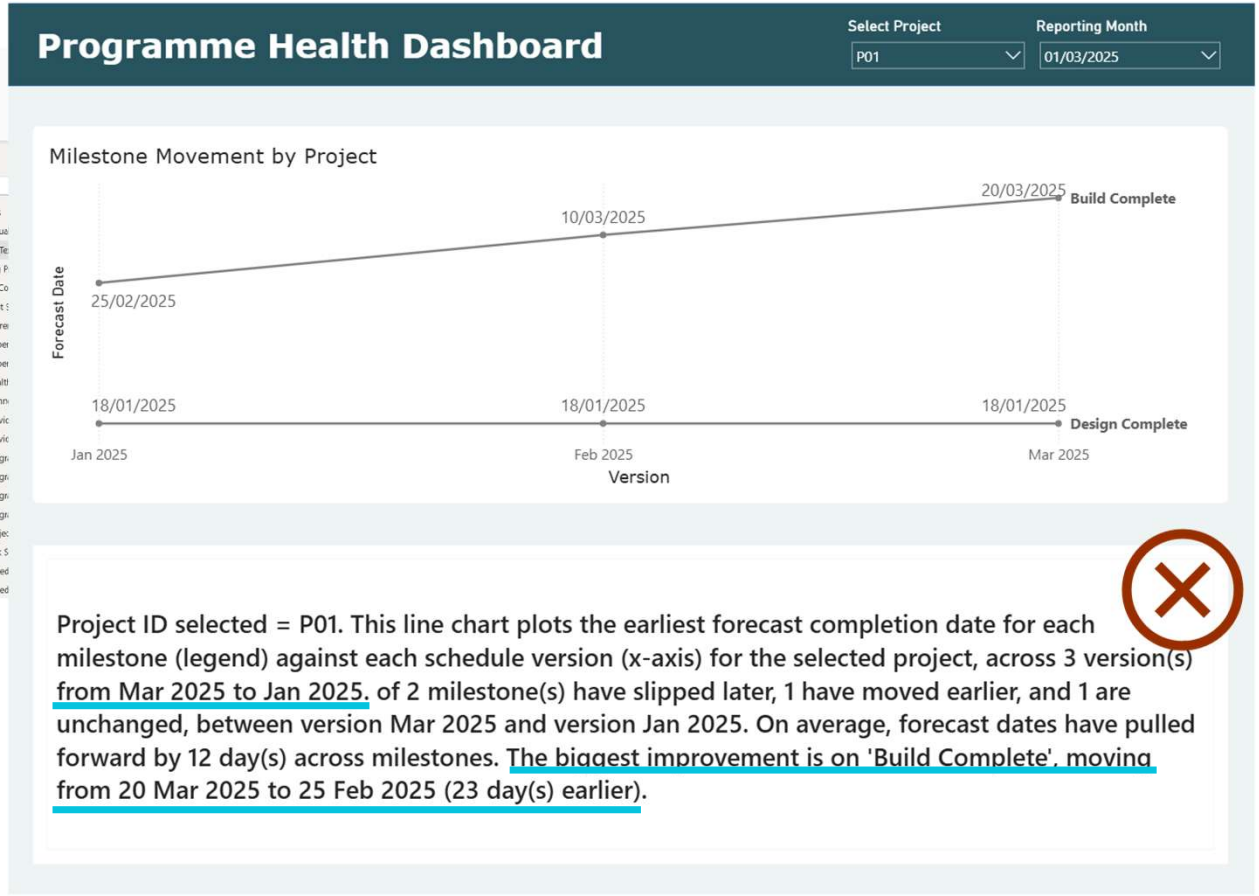
ZURE

Creating Alt Text with Claude



Creating Alt Text with Claude

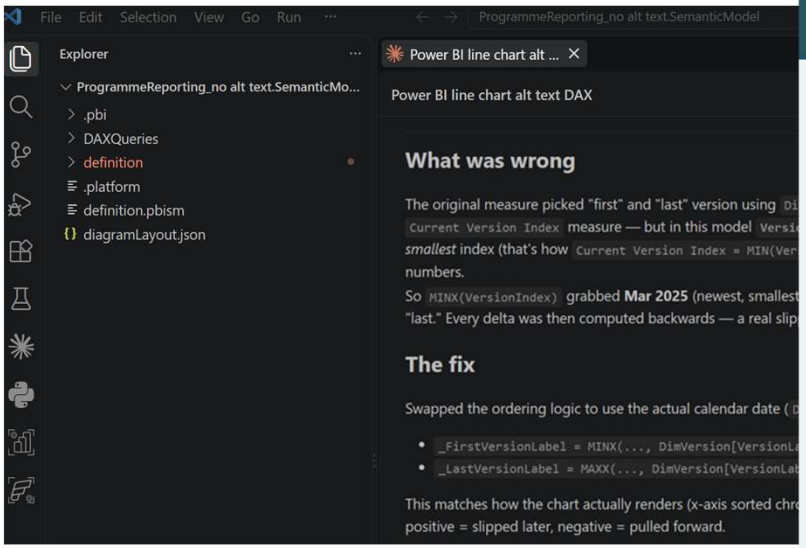


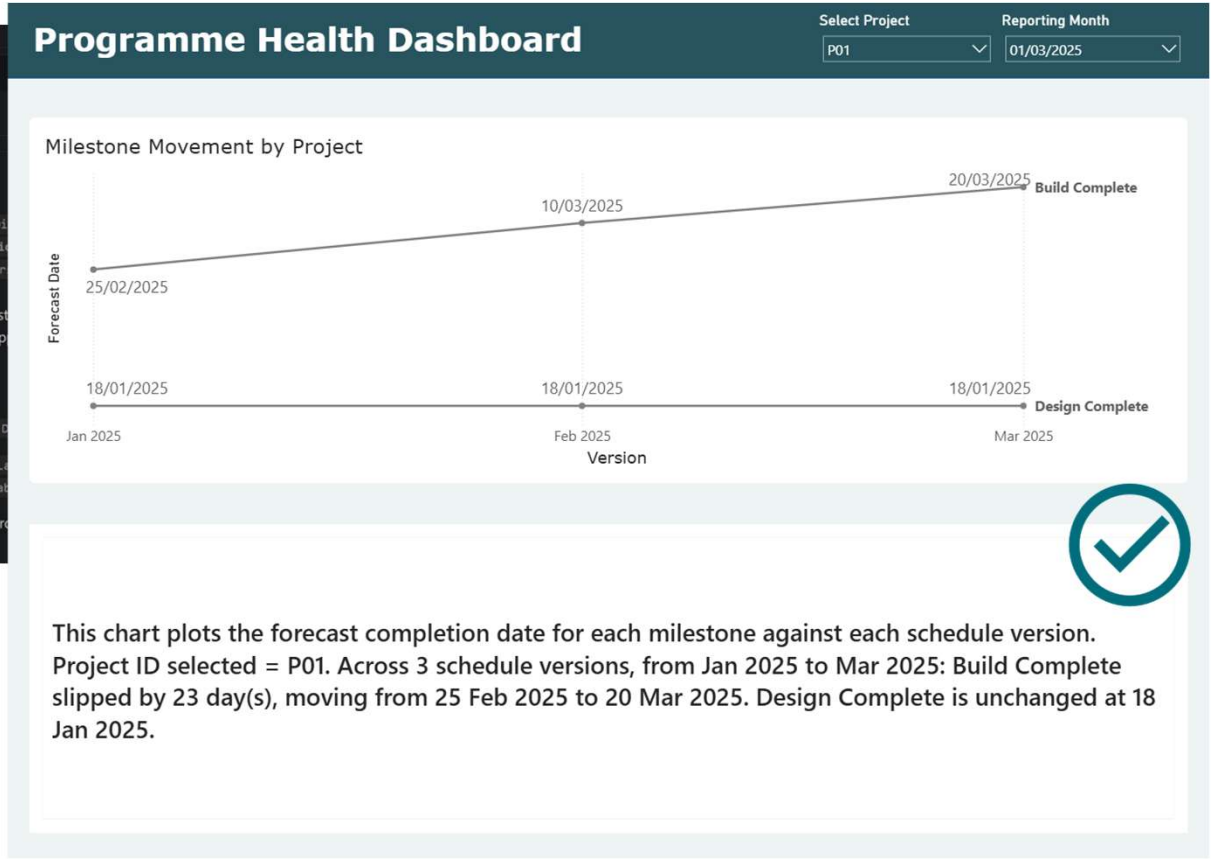


Incorrect behaviour!

ZURE

Creating Alt Text with Claude





ZURE

Making Content
Operable



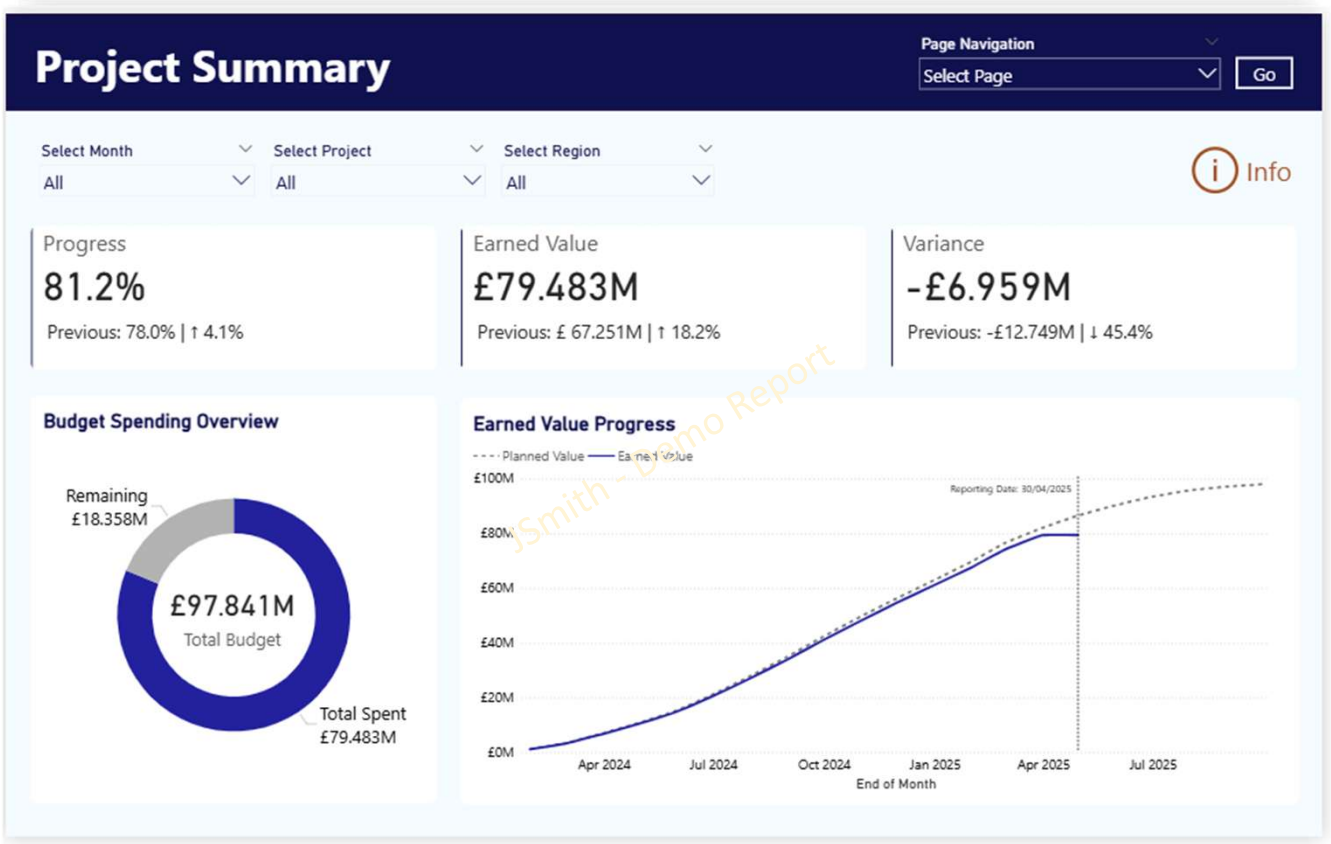
Keyboard Accessibility (WCAG 2.1)

All interactive elements should be usable via keyboard navigation.

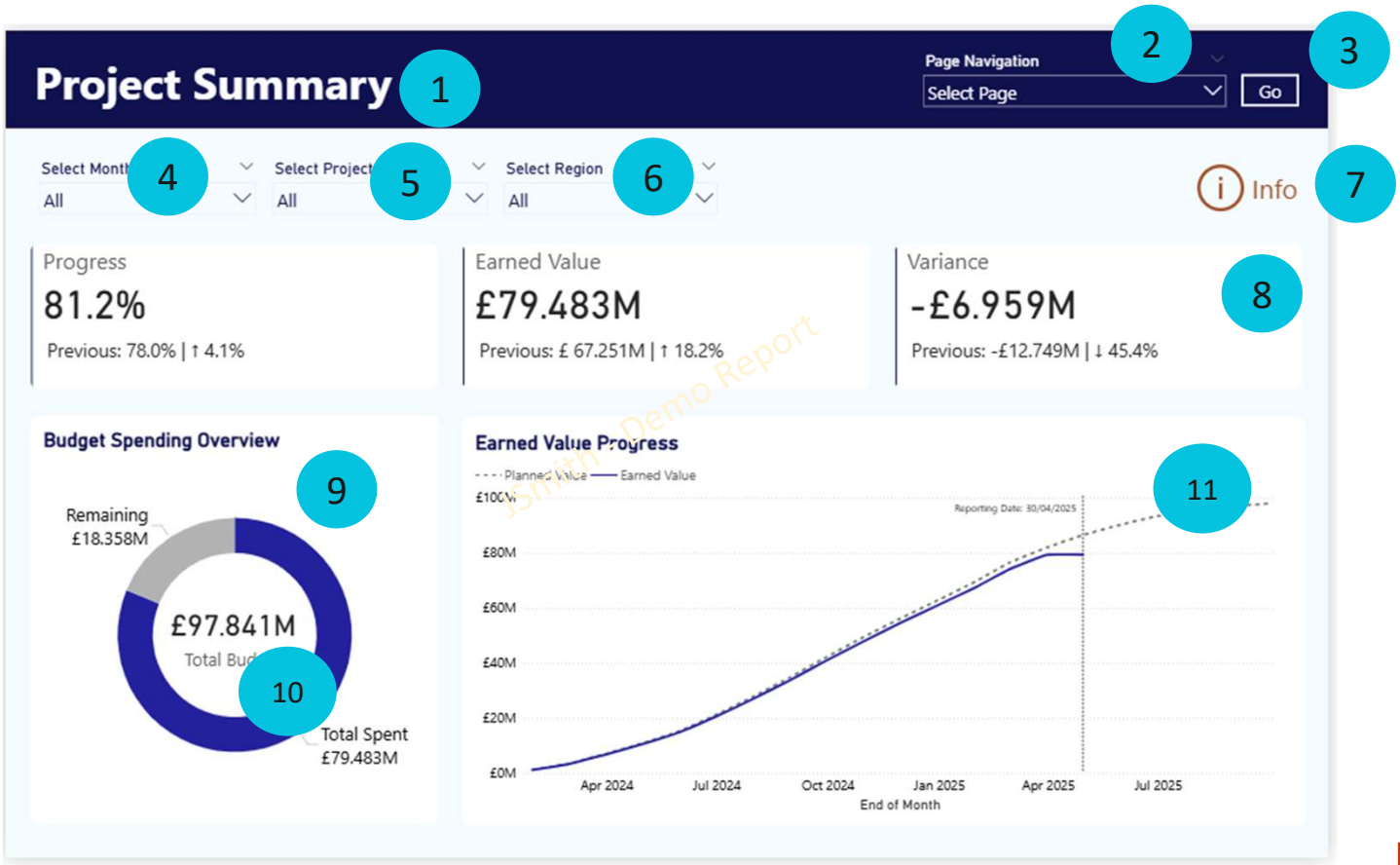
- No Keyboard Traps

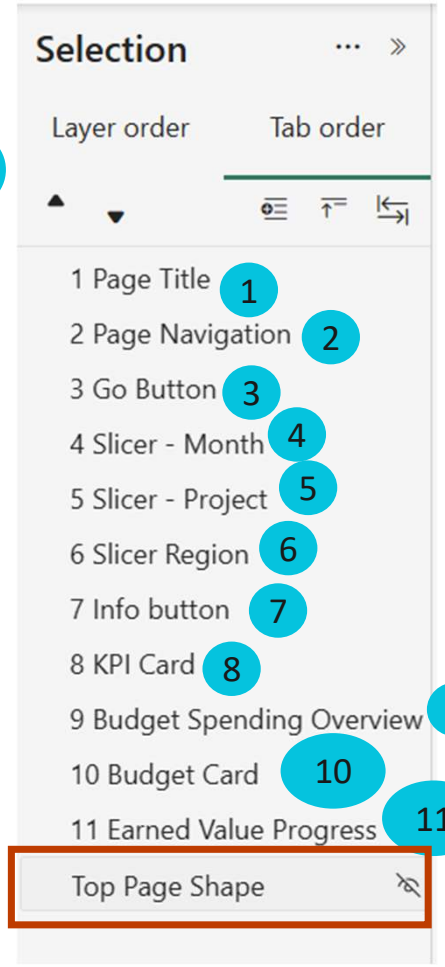
YouTube

Optimising Tab Order



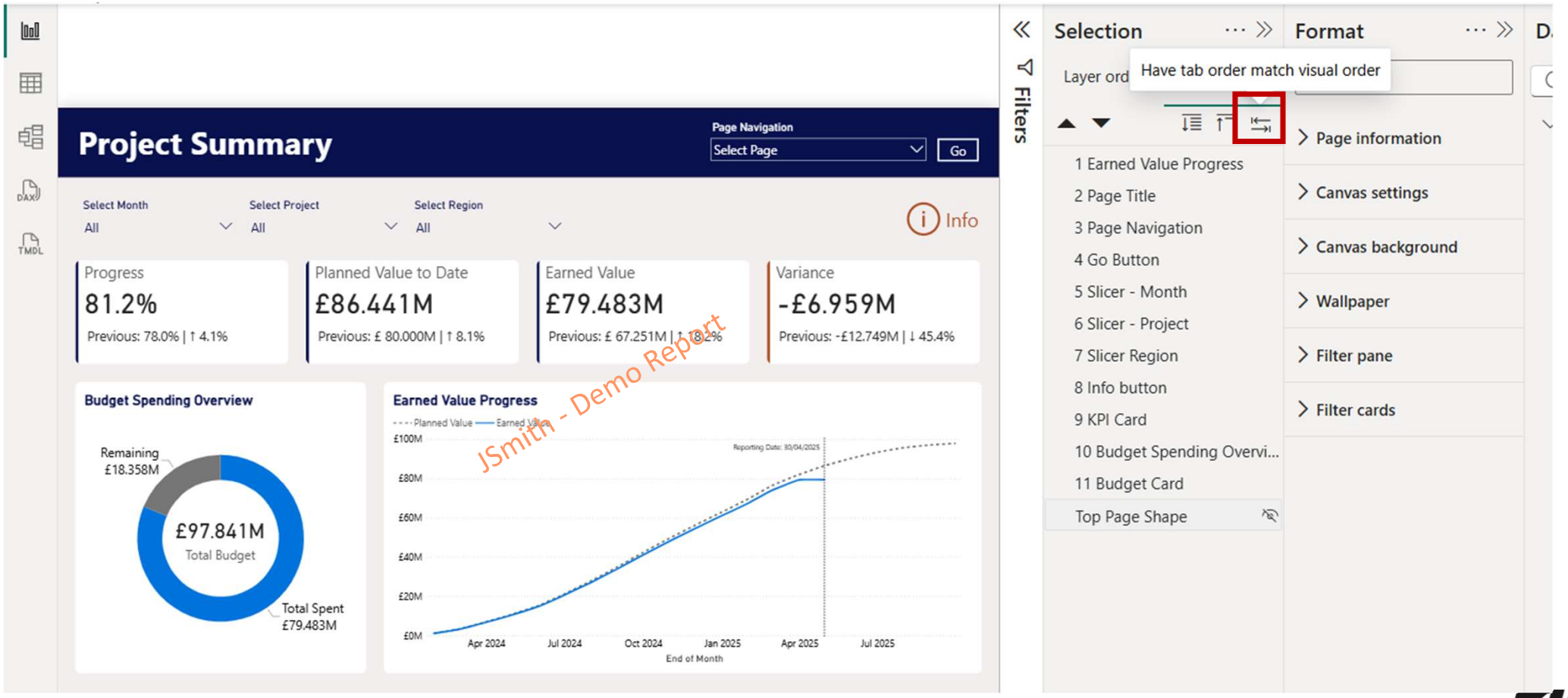
Keyboard Accessibility (WCAG 2.1)





ZURE

Keyboard Accessibility (WCAG 2.1)



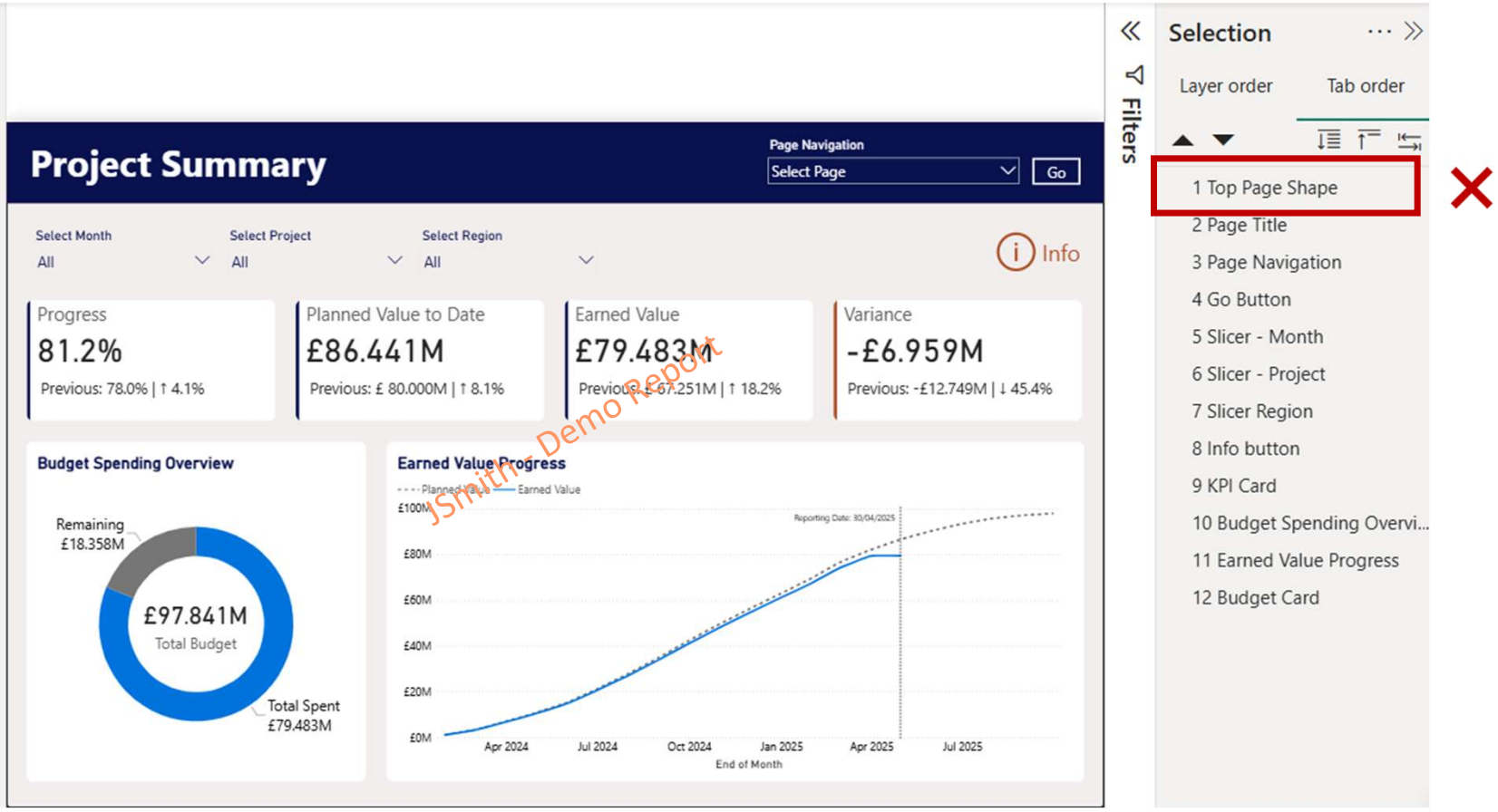
Keyboard Accessibility (WCAG 2.1)

Stacked elements don't appear where they should be



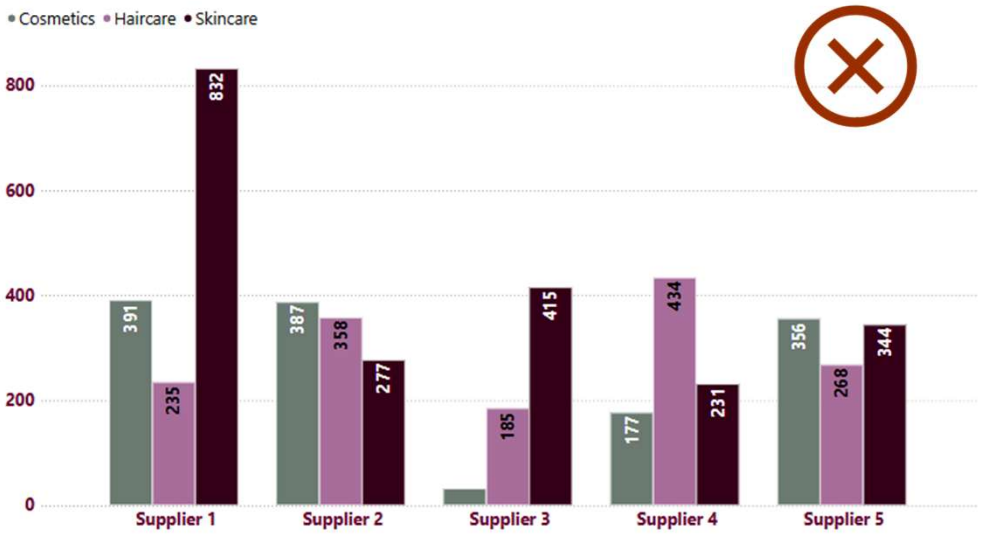
Keyboard Accessibility (WCAG 2.1)

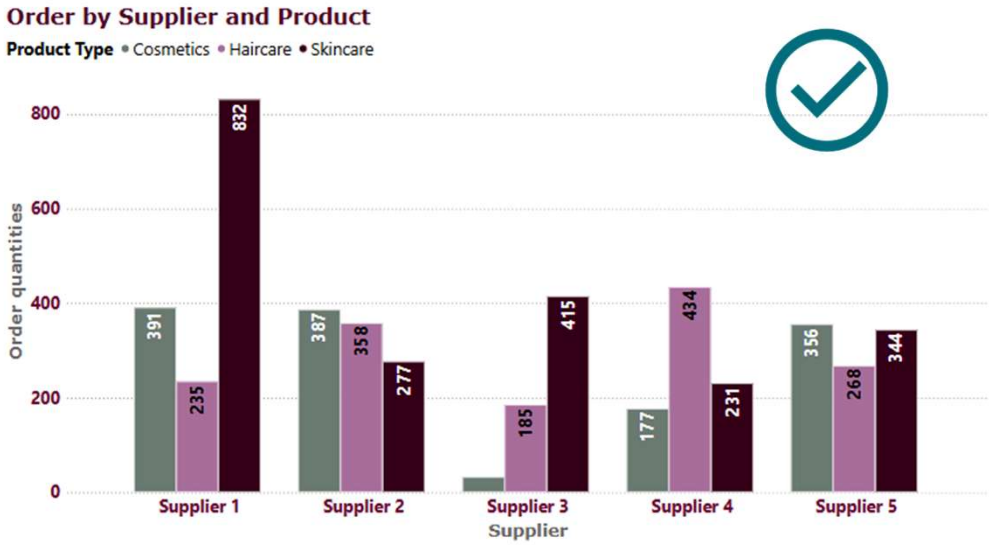
Shapes and decorative elements must be hidden under Tab Order



Headings and Labels

- A chart title tells a screen-reader user what they're entering before they explore data points.
- Axis labels act as "anchors" so users know what each value relates to.





- Make it easier to identify the next control to tab to.

ZURE

Making Content Understandable



Definition of Readability

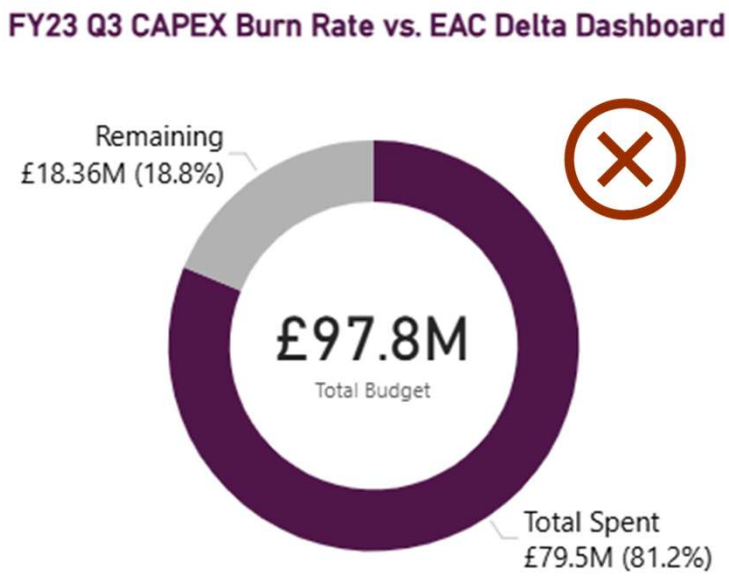
~~“Leesbaarheid verwys na die maklikheid en duidelikheid waarmee 'n geskrewe inhoud deur sy teikengehoor verstaan kan word.”~~

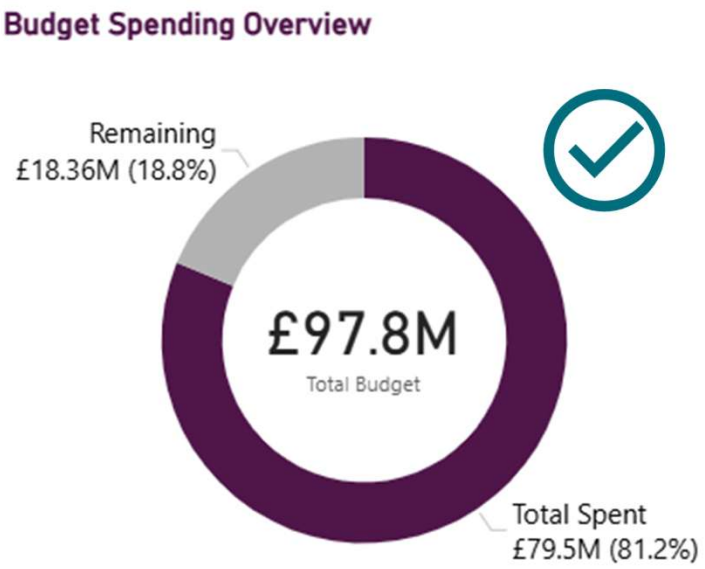
“Readability refers to how easily and clearly written content can be understood by its intended audience.”

ZURE

Readable Text (WCAG 3.1.1)

Use plain language and avoid jargon.





Also helps screen readers

ZURE

Predictable Behaviour



ZURE

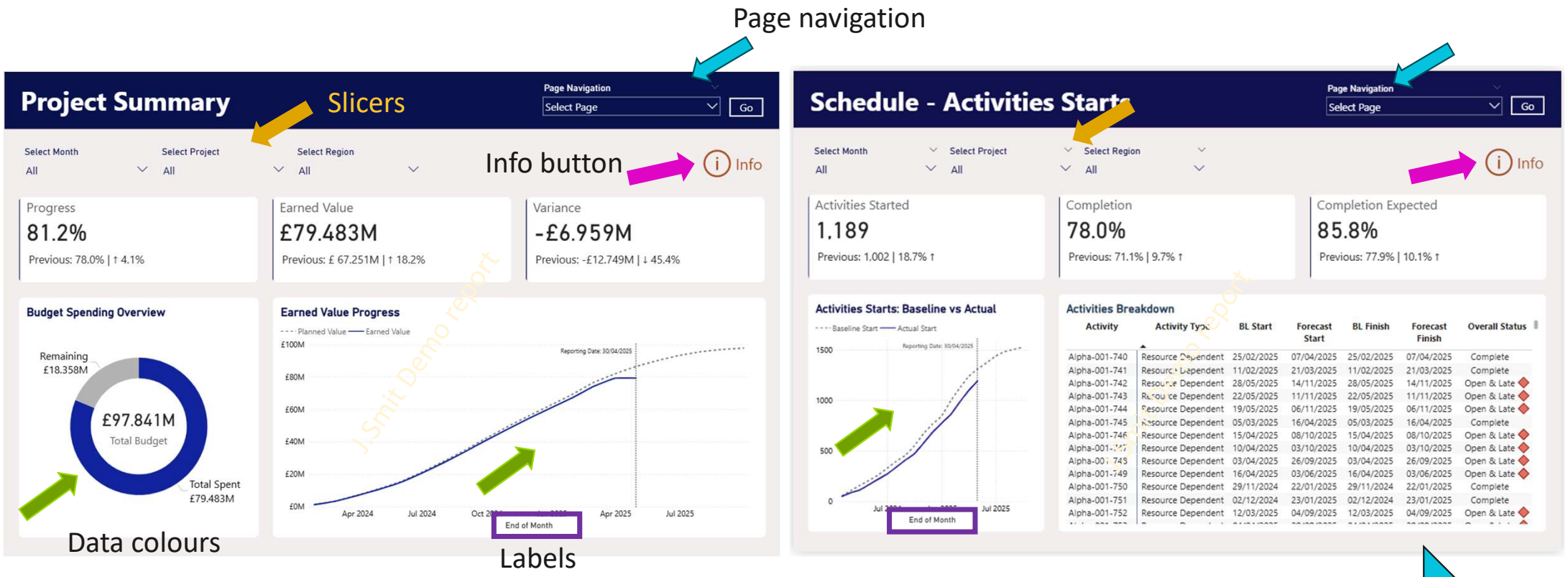
Predictable Behaviour

WCAG 3.2.3 Consistent Navigation and 3.2.4 Consistent Identification

- Consistent Navigation: where users find navigation elements
  - Navigation buttons
  - Page navigators
  - Home buttons
  - Back buttons
  - Drill-through links
  - Bookmarks used for navigation
- Consistent Identification: how controls are labelled and recognised
  - Filter panels
  - Slicers
  - Help/info buttons
  - Consistent icons
  - Consistent labels
  - Consistent button styling
  - Consistent data colours (for example, Actuals = blue, Forecast = grey)

ZURE

Predictable Behaviour

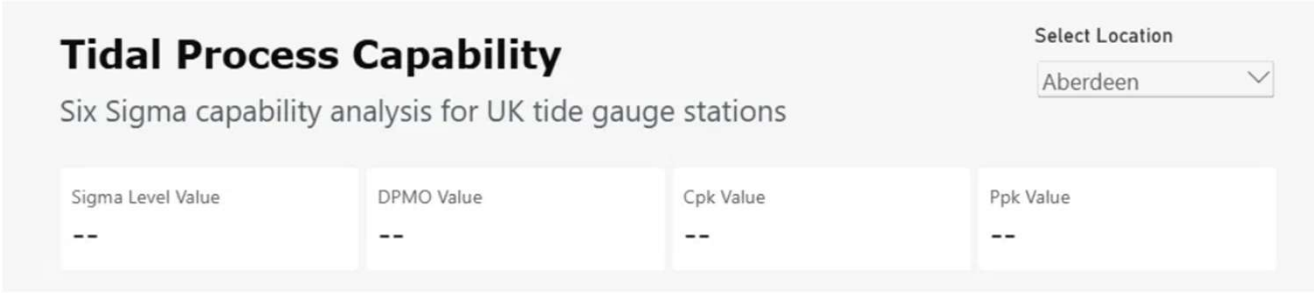


Predictable behaviour >> easier navigation & effective use

ZURE

Error Identification





Many users may interpret this as:

"Something is broken."

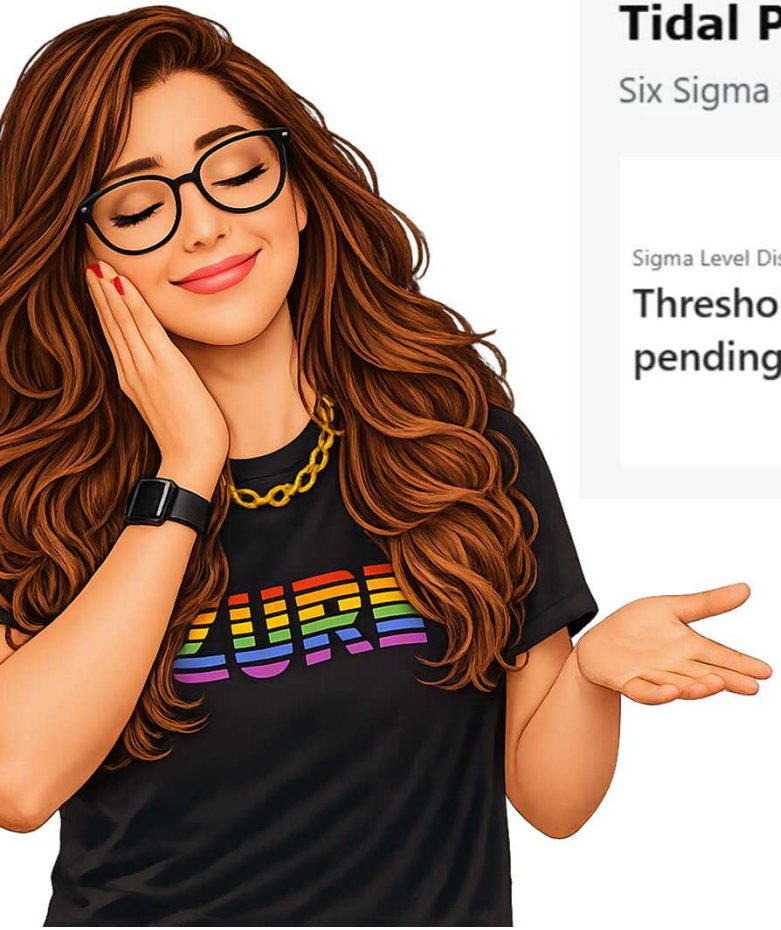
"The report isn't working."

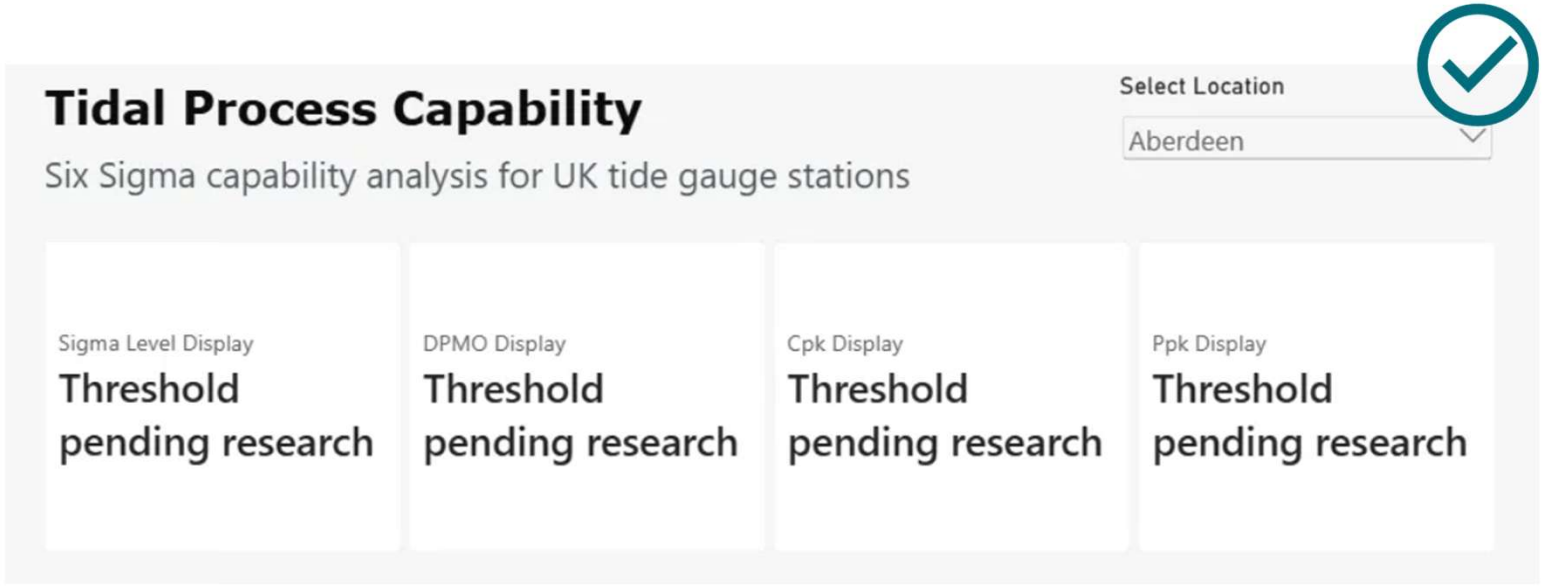
“Have I broken this?"

“Can we just use Excel?"

ZURE

Error Identification

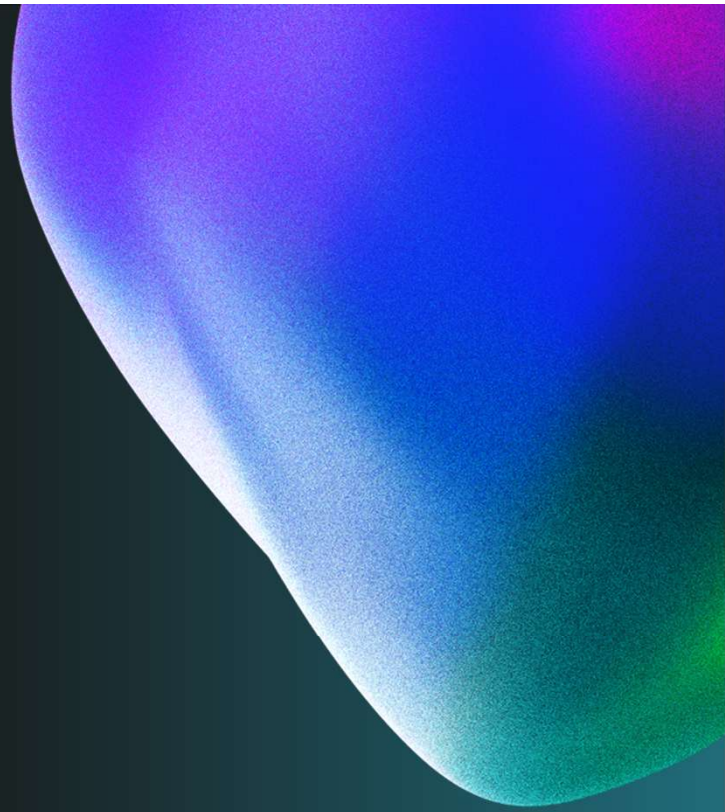




!! A blank visual may not be a system error, but users often perceive it as one.

ZURE

Making Content
Robust



ZURE

Screen Reader Compatibility

Power BI is compatible with screen readers by default.

Screen Reader	Platform	Description
NVDA	Windows	Free and open-source. Fully compatible with Power BI Desktop and Service.
JAWS	Windows	Commercial screen reader. Works well with Power BI; may need scan mode off.
Narrator	Windows (built-in)	Basic functionality. Good for testing alt text and keyboard navigation.
VoiceOver	macOS / iOS	Limited Power BI support; best for mobile/tablet accessibility checks.

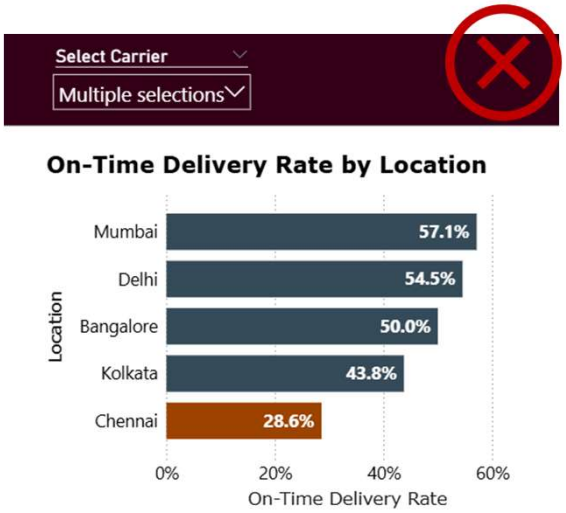
Windows + Ctrl + Enter

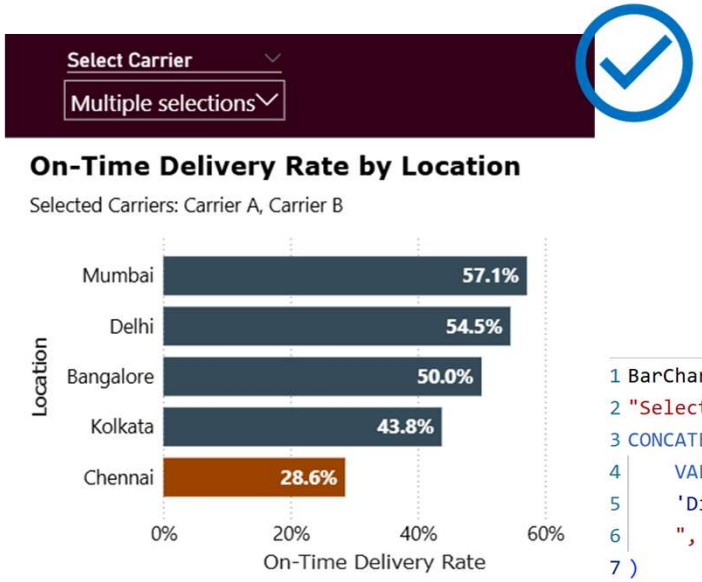
ZURE

Assistive Technologies (WCAG 4.1.2)

Ensure every interactive element has a clear name, role, and state.

Ex. Ensure state information is conveyed (e.g. slicer values).






```
1 BarChartSubTitle =
2 "Selected Carriers: " &
3 CONCATENATEX(
4     VALUES('Dim_ShipCarrier'[Shipping carriers]),
5     'Dim_ShipCarrier'[Shipping carriers],
6     ", "
7 )
```

ZURE

Assistive Technologies (WCAG 4.1.2)

For tables and matrices:

- Ensure column headers are descriptive and not abbreviated unnecessarily.

Operational Summary

Location	Rev.	GM%	OTD%	Sold
Bangalore	$102,602	89.7%	50.0%	5,420
Chennai	$119,143	89.6%	35.0%	8,768
Delhi	$81,028	89.9%	40.0%	9,715
Kolkata	$137,078	91.0%	40.0%	12,770
Mumbai	$137,755	93.2%	50.0%	9,426

City-Level Breakdown: Revenue, Margin & Delivery Performance

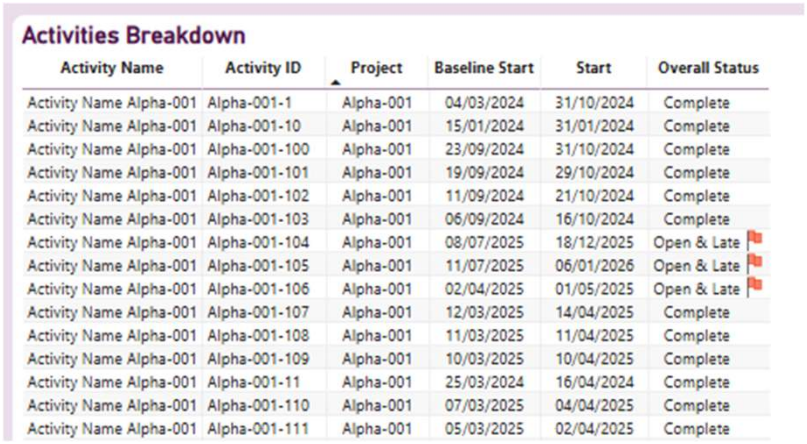
City	Revenue	Gross Margin	On-Time Delivery %	Units Sold
Bangalore	$102,602	89.7%	50.0%	5,420
Chennai	$119,143	89.6%	35.0%	8,768
Delhi	$81,028	89.9%	40.0%	9,715
Kolkata	$137,078	91.0%	40.0%	12,770
Mumbai	$137,755	93.2%	50.0%	9,426

ZURE

Assistive Technologies (WCAG 4.1.2)

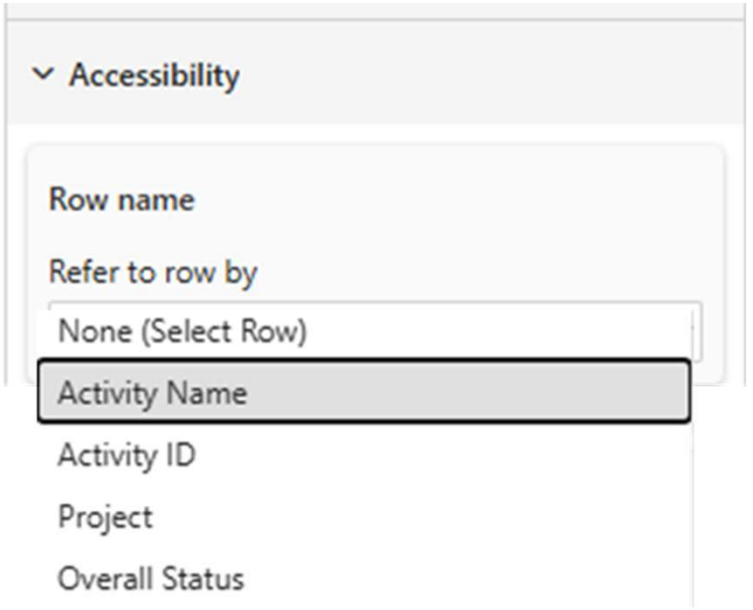
- For tables: Assign Row Name
- Helps screen readers identify the purpose of each row >> relationship between data and labels clear

Format Pane >> Accessibility >> Row Name



Activities Breakdown

Activity Name	Activity ID	Project	Baseline Start	Start	Overall Status
Activity Name Alpha-001	Alpha-001-1	Alpha-001	04/03/2024	31/10/2024	Complete
Activity Name Alpha-001	Alpha-001-10	Alpha-001	15/01/2024	31/01/2024	Complete
Activity Name Alpha-001	Alpha-001-100	Alpha-001	23/09/2024	31/10/2024	Complete
Activity Name Alpha-001	Alpha-001-101	Alpha-001	19/09/2024	29/10/2024	Complete
Activity Name Alpha-001	Alpha-001-102	Alpha-001	11/09/2024	21/10/2024	Complete
Activity Name Alpha-001	Alpha-001-103	Alpha-001	06/09/2024	16/10/2024	Complete
Activity Name Alpha-001	Alpha-001-104	Alpha-001	08/07/2025	18/12/2025	Open & Late
Activity Name Alpha-001	Alpha-001-105	Alpha-001	11/07/2025	06/01/2026	Open & Late
Activity Name Alpha-001	Alpha-001-106	Alpha-001	02/04/2025	01/05/2025	Open & Late
Activity Name Alpha-001	Alpha-001-107	Alpha-001	12/03/2025	14/04/2025	Complete
Activity Name Alpha-001	Alpha-001-108	Alpha-001	11/03/2025	11/04/2025	Complete
Activity Name Alpha-001	Alpha-001-109	Alpha-001	10/03/2025	10/04/2025	Complete
Activity Name Alpha-001	Alpha-001-11	Alpha-001	25/03/2024	16/04/2024	Complete
Activity Name Alpha-001	Alpha-001-110	Alpha-001	07/03/2025	04/04/2025	Complete
Activity Name Alpha-001	Alpha-001-111	Alpha-001	05/03/2025	02/04/2025	Complete



Built for Every Screen



ZURE

Future Proof

Native Visuals



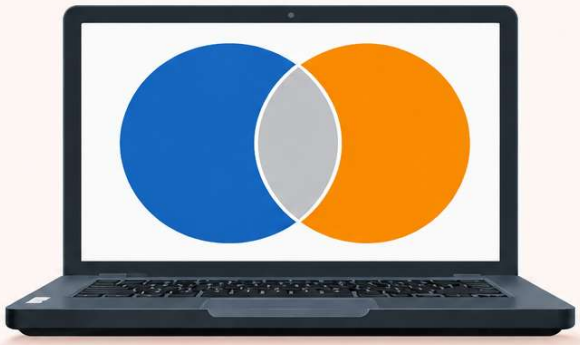
Microsoft supported
Built on trusted, supported technology

Stable and secure
Regular updates and security patches

Reliable and up-to-date
Designed to evolve with Power BI

VS

Custom Visuals



Not supported by Microsoft
Built outside Microsoft's support

High risk
Greater chance of compatibility issues

Prone to break
May stop working after updates

Bottom line: Native visuals are the smart choice for security, reliability, and long-term success.

ZURE

Prompting for Accessibility

ZURE

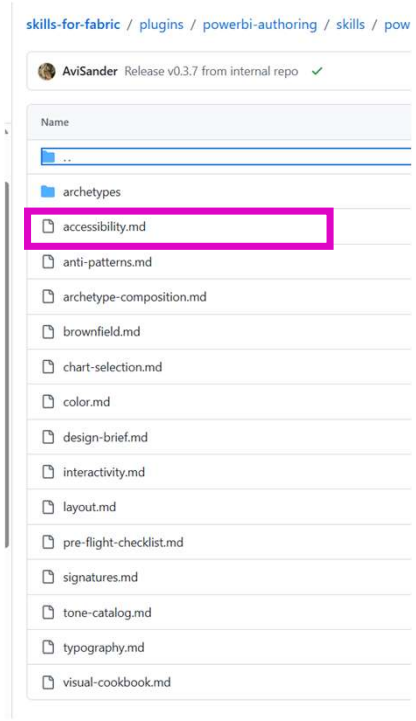
Power BI Report AI Agents

- **Power BI Report Authoring** enables natural-language authoring, modification, and validation of Power BI report definitions in the PBIR file.

- **Power BI Report Design** skill supplies opinionated design guidance for Power BI reports

  - Skills – prompting is reduced but still necessary

  - The skill fires based on how well your prompt **matches its trigger description**.



ZURE

Power BI Report AI Agents

"Add a bar chart to page 2 showing sales by region." 

"Design an executive dashboard for our leadership team to track quarterly sales performance - this needs to look professional, it'll be shown in board meetings." 

Report Design skill works best when intent is **"design-shaped" rather than file-shaped**

ZURE

PBIR A11y CLI (Skill)

"Add a bar chart to page 2 showing sales by region."

pbir-a11y still triggers

Trigger is action-based and catches them regardless of how they're worded.

name	pbir-a11y
description	Use when creating, editing, or reviewing a Power BI PBIP/PBIR report definition (report.json, page.json, visual.json), or when asked about Power BI accessibility, WCAG, alt text, contrast, tab order, or target size. Do not use for general PBIR editing; use pbir.tools for that.

ZURE

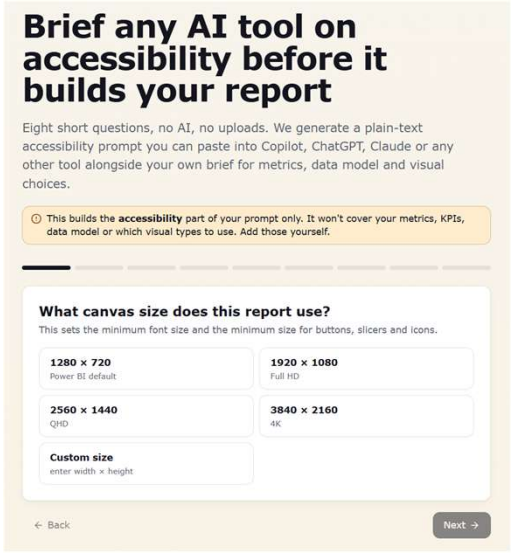
Design without a Skill

Claude's general design and accessibility knowledge

"Build me a sales dashboard." ❓

Will Claude use it if unprompted?,
Will Claude enforce consistency?

PBIX A11y Accessibility Prompt Builder (FREE)

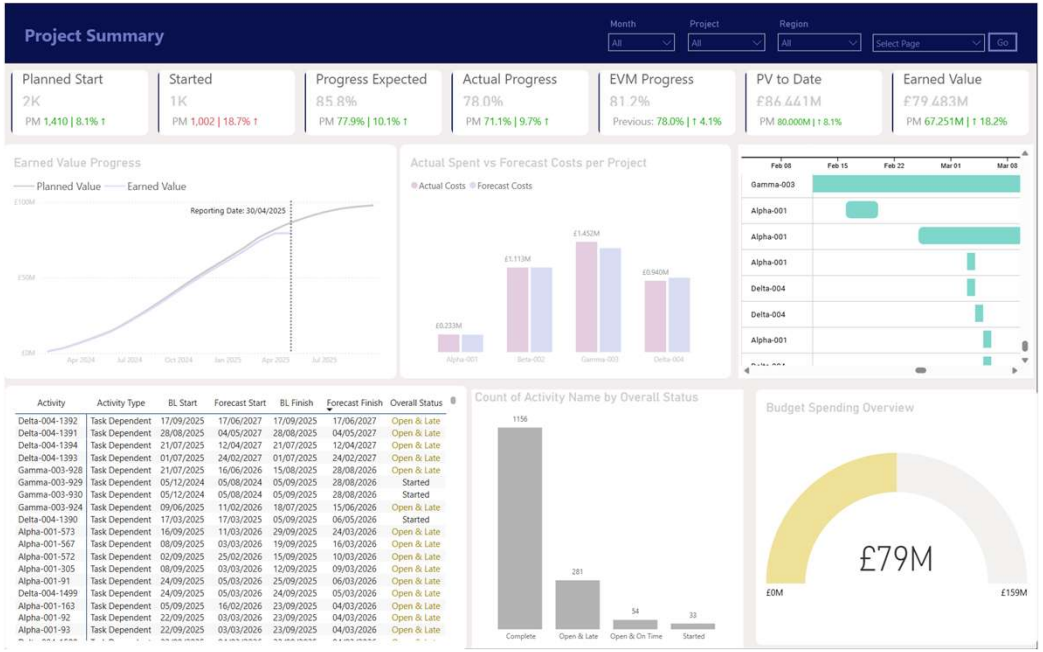


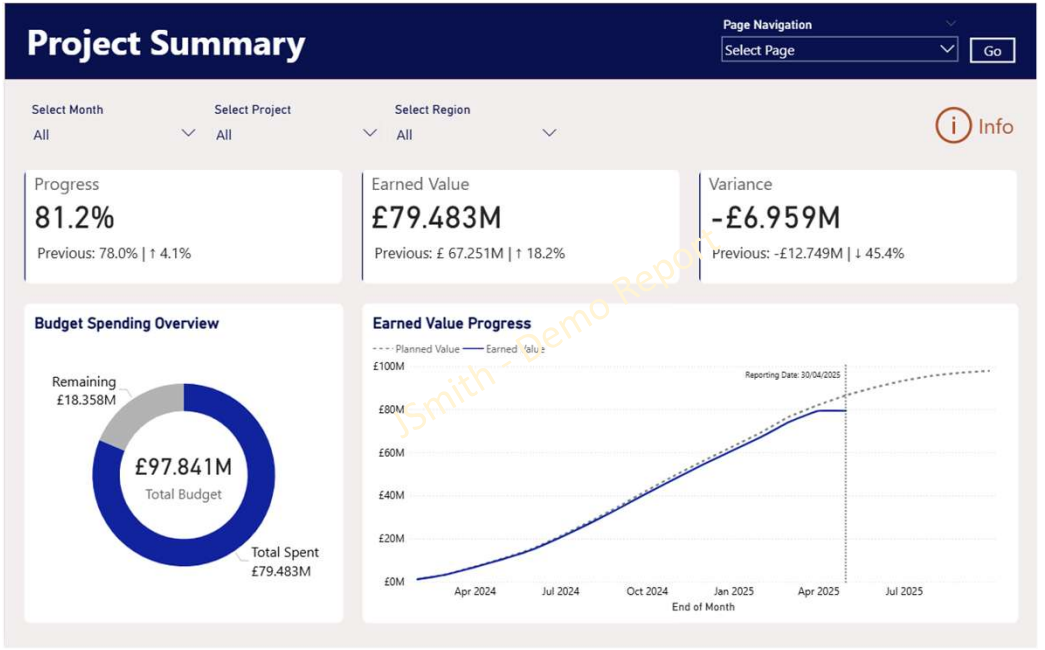
ZURE

Wrap-Up



Improving Report Design





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Accessible design removes the barriers to who gets to understand, decide, and participate.

ZURE

Free Power BI Accessibility Tools



PBIX A11y

PBIR A11y CLI

license PolyForm-Shield-1.0.0 | Power BI | node >=18 | Claude Code compatible

`pbir-a11y` (accessibility checks for Power BI **PBIP/PBIR** projects) for use by a person during development, or by an AI coding agent (Claude Code, Copilot, etc.) editing report JSON directly. Same idea as pbir.tools, but for accessibility checks instead of general report editing.

This is a CLI translation of the PBIX A11y browser tool: same rule engine, same checks, pointed at a project folder on disk instead of a browser file-drop.

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Thank you

Feedback

POURing Accessibility into Power BI: Practical Steps for Inclusive Analytics

Let’s Connect!

PBIX A11y

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