

AI for Data Visualisation

AI Skills Lab | Apolitical Virtual Community Session

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How can AI help with Data Visualisation?



Assistant

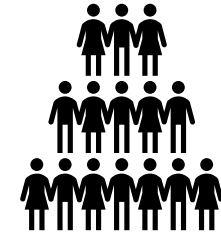
- Summarize data
- Run tedious tasks
- Clean text data
- Data classification
- Write code
- Create documentation

...



Expert

- Visualisation types
- Technologies & Frameworks
- Colors & Art
- Accessibility



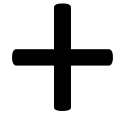
Audience Simulator

- Act as stakeholder, team member, student
- Give tips about flow, what is hard to understand and so on.

This session



Excel



Copilot

Other possibilities



...and many more

Dataset

To

From

	Commercial	Tech & Product	Operations & Supply	People / Risk / Comms	Corporate Services
Commercial	84.7%	1.7%	0.6%	0.3%	0.0%
Tech & Product	0.0%	94.9%	0.0%	0.0%	0.0%
Operations & Supply	0.0%	2.1%	89.1%	0.0%	0.4%
People / Risk / Comms	0.0%	0.8%	0.0%	92.2%	0.0%
Corporate Services	0.0%	2.1%	0.5%	1.1%	90.0%

To

Commercial

Tech & Product

Operations &
Supply

People / Risk /
Comms

Corporate Services

Commercial

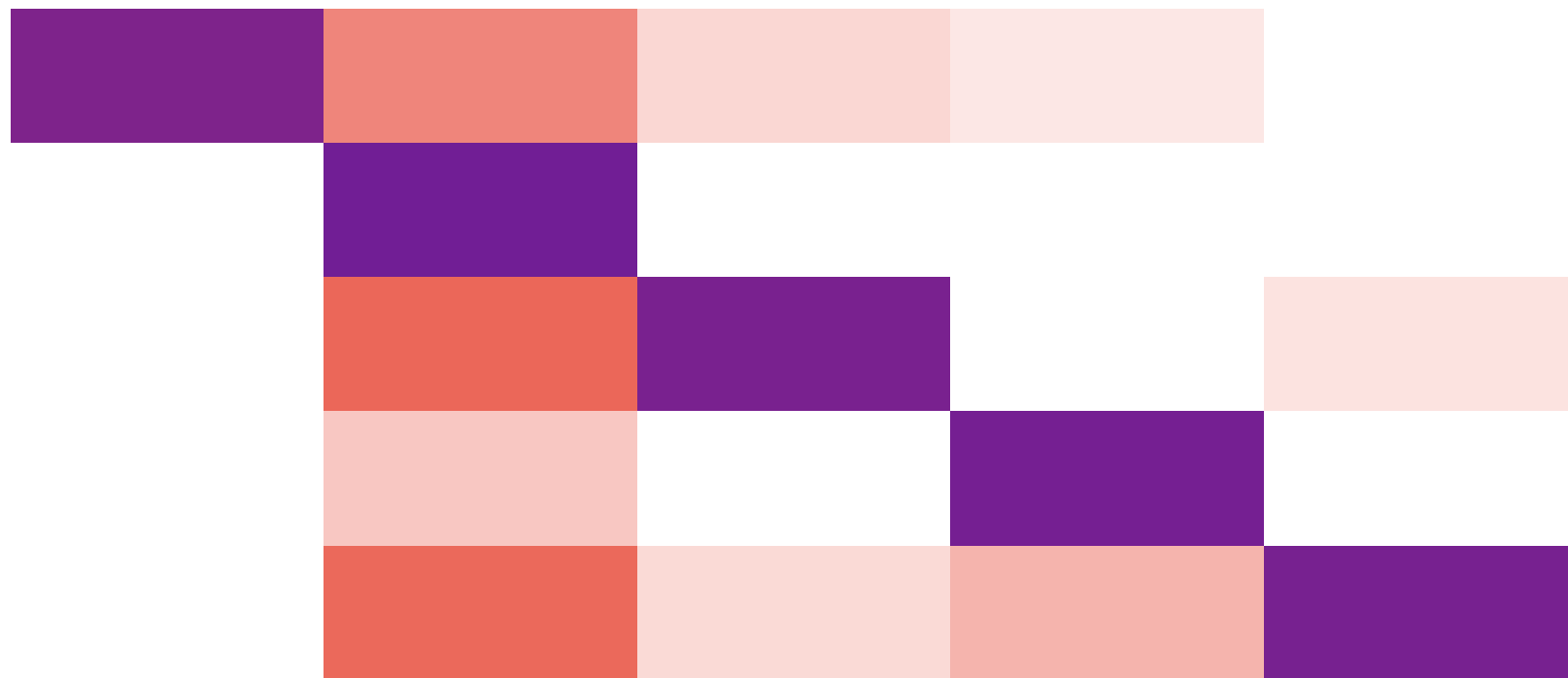
Tech & Product

Operations & Supply

People / Risk / Comms

Corporate Services

From



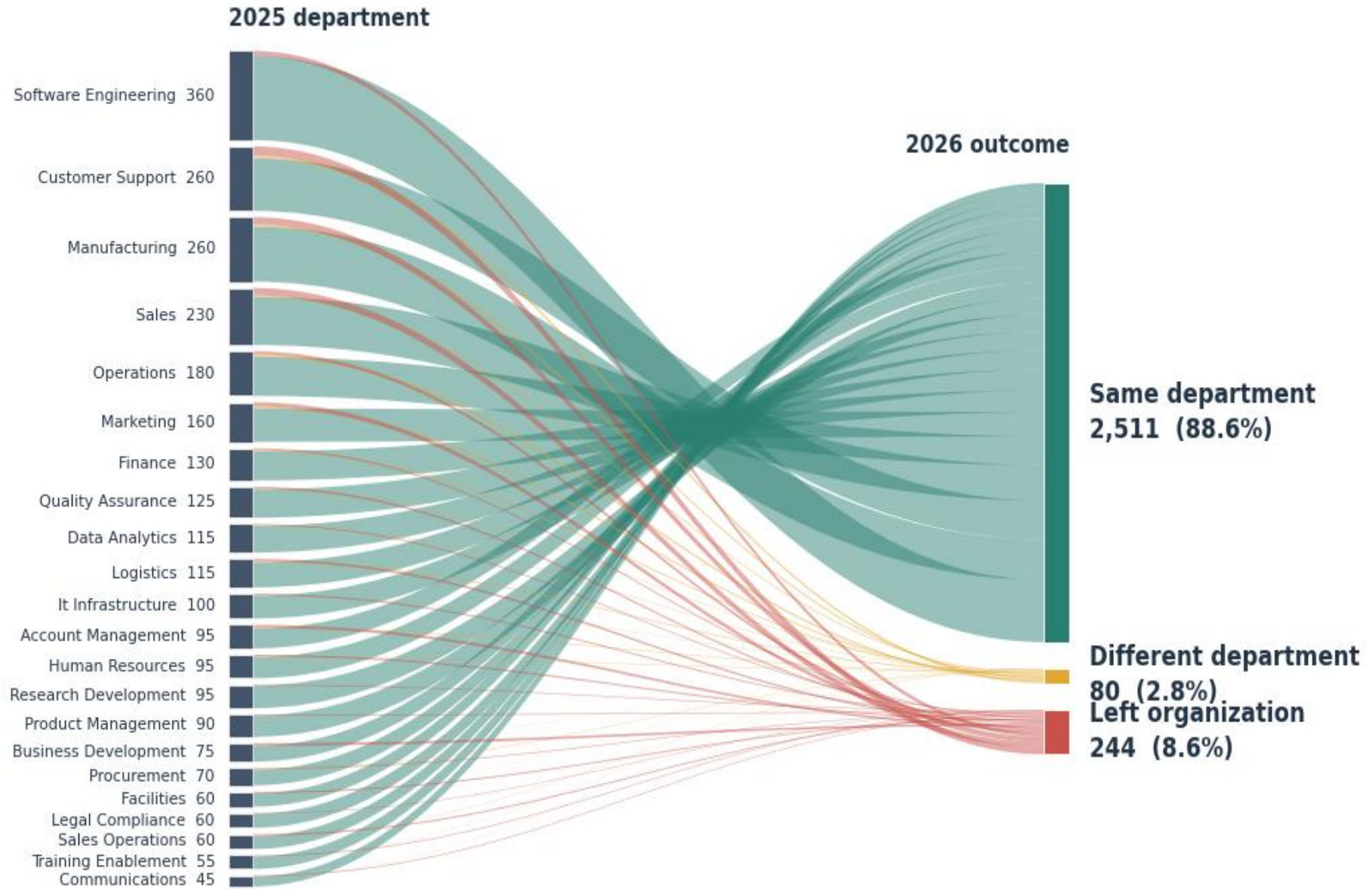
2025

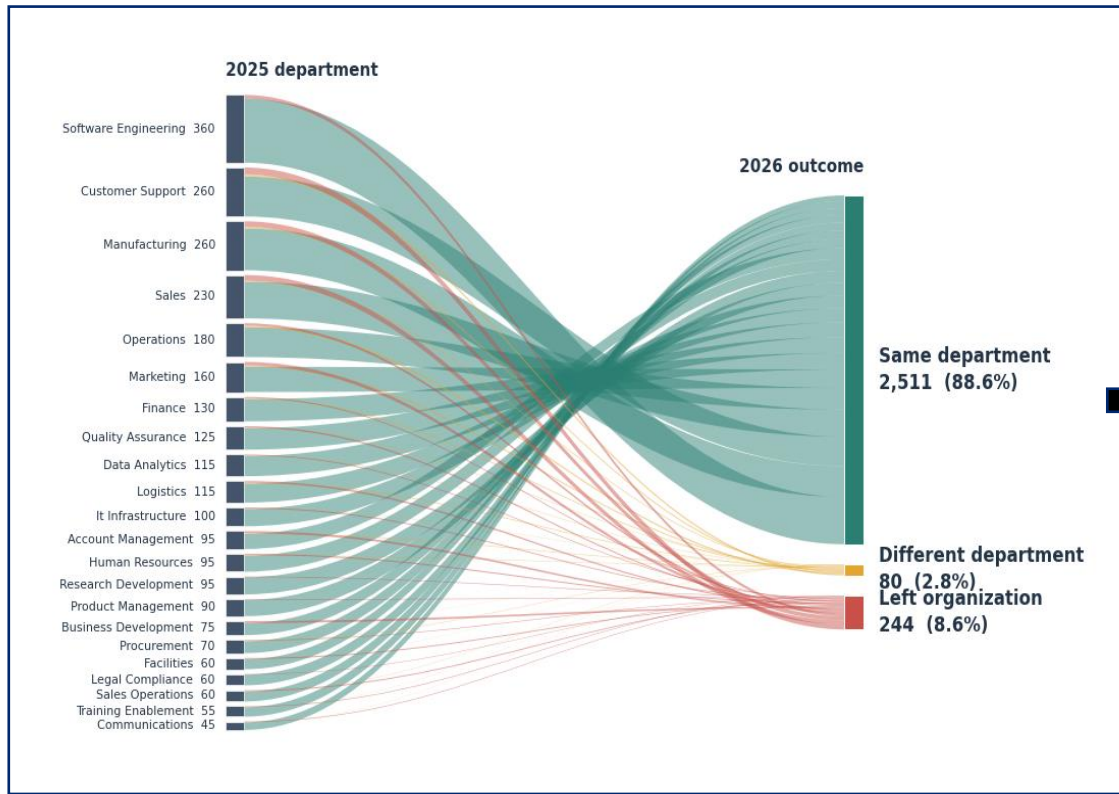
2026

	Commercial	Tech & Product	Operations & Supply	People / Risk / Comms	Corporate Services
Commercial	84.7%	1.7%	0.6%	0.3%	0.0%
Tech & Product	0.0%	94.9%	0.0%	0.0%	0.0%
Operations & Supply	0.0%	2.1%	89.1%	0.0%	0.4%
People / Risk / Comms	0.0%	0.8%	0.0%	92.2%	0.0%
Corporate Services	0.0%	2.1%	0.5%	1.1%	90.0%

Employee Movement, 2025 → 2026

All 2,835 employees active in 2025, grouped by their 2026 outcome





2025

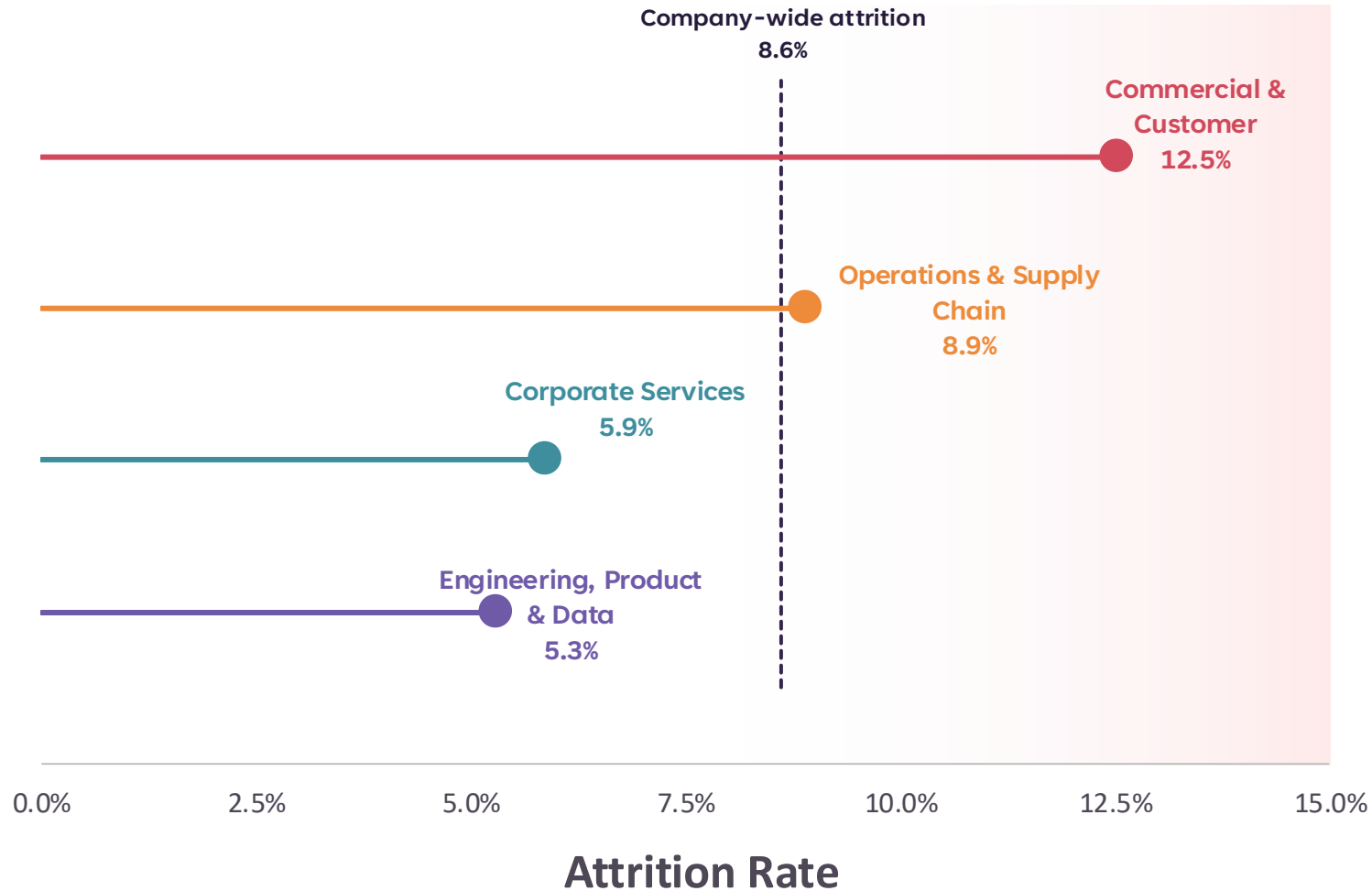
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Corporate Services	0.0%	2.1%	0.5%	1.1%	90.0%

2026

- Headcount numbers are important
- Higher-level overview
- Focus is more on totals

- Ratios are important
- Workforce analytics / Talent
- Small differences matter
- Trends are important, plot honesty is less important (liberal use of color scales)

Attrition by Business Function



What the plot shows

Attrition is uneven in the company: functional groupings range from 5.3% to 12.5% against an 8.6% company average.

Commercial & Customer group stands out at 12.5% — about 4 points above benchmark.

Corporate Services (5.9%) and Engineering, Product & Data (5.3%) retain best.

Takeaway: focus retention effort on the customer-facing front line, and model it on what Engineering, Product & Data are doing.

A very simple workflow

1- Describe

2- Clean up

3- Create

4- Control

5- Iterate

Some Copilot *Do*s and *Don't*s

Do

- Be specific
- Name the columns, ranges
- Start broad and get specific later with follow-ups
- Always keep your original columns
- Start with a summary/codebook generation
- Follow with data cleaning
- AI likes tidy data: Every row is an observation

Always consult your institution for permitted AI tools and privacy settings.

Don't

- Don't use unusual sheet structures
- Don't use the same chat window for everything
- Don't trust the results blindly
- Don't assume that it automatically keeps a backup

Don't use confidential or highly confidential data – unless you are explicitly permitted by data owners.

[Copilot in Excel tips | Microsoft Support](#)

[Get started with Copilot in Excel | Microsoft Support](#)

[Visualize your data with Copilot in Excel | Microsoft Support](#)

New technologies require new habits

Old habit

Each new document/visualisation is costly: reuse, condense, avoid.

Freeform text is unusable as data: process it or file it away.

Most of the verification happens during creation.



New habit

Each new document/visualisation is cheap: draft, discard, tailor per audience.



Freeform text is a rich data source: extract, count, chart.



Systematic verification: checklists, random samples, totals, independent replications.

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