

Build Your First Data Visualization with Seaborn

INTRODUCING SEABORN – WHAT AND WHY?



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Course Overview



Introduction to Data visualization
and Seaborn – the what's and the
why's



Data visualization with Seaborn



Module Overview



What is data visualization and why is it so important?

Brief introduction to Seaborn

Installing Seaborn and its dependencies



Data Visualisation - What Is It and Why Do We Need It?



Data Visualization

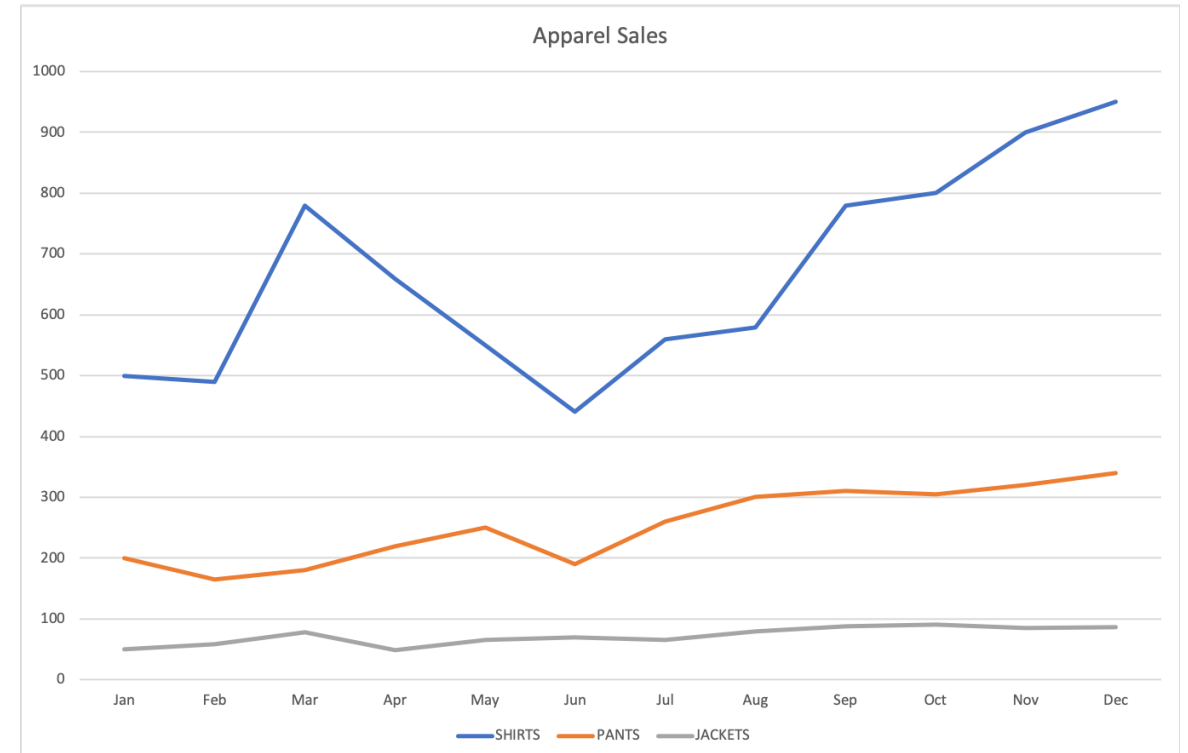
Data visualization is the representation of data in a pictorial or graphical format



Why Is Data Visualization Important?

| Apparel Sales | | | |
|---------------|--------|-------|---------|
| MONTH | SHIRTS | PANTS | JACKETS |
| Jan | 500 | 200 | 50 |
| Feb | 489 | 165 | 58 |
| Mar | 780 | 180 | 78 |
| Apr | 659 | 220 | 49 |
| May | 550 | 250 | 65 |
| Jun | 440 | 190 | 70 |
| Jul | 560 | 260 | 65 |
| Aug | 580 | 300 | 79 |
| Sep | 780 | 310 | 88 |
| Oct | 800 | 305 | 90 |
| Nov | 900 | 320 | 85 |
| Dec | 950 | 340 | 86 |

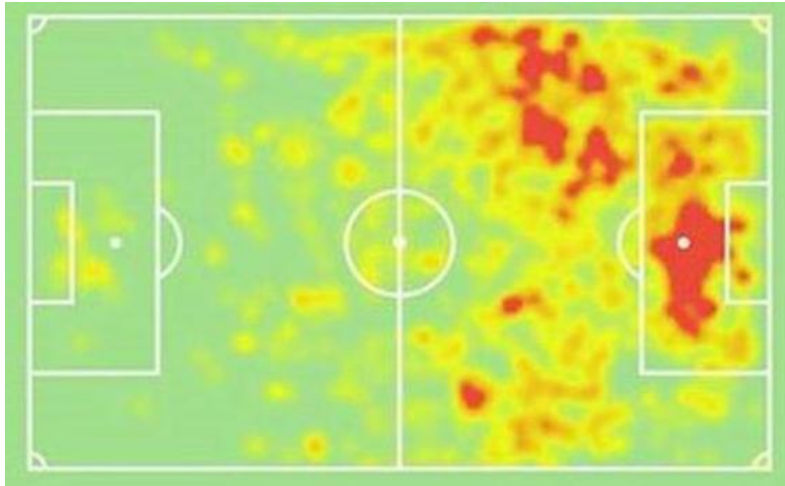
Spreadsheet



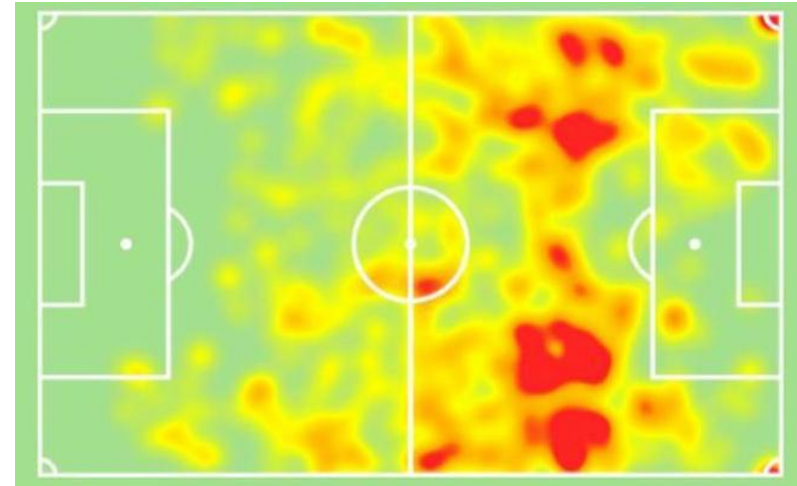
Line chart



Why Is Data Visualization Important?



Heatmap 1



Heatmap 2



Why Is Data Visualization Important?



Visualizing complex data through charts and graphs is easier than poring over spreadsheets



Easier to gain insights when data is visualized



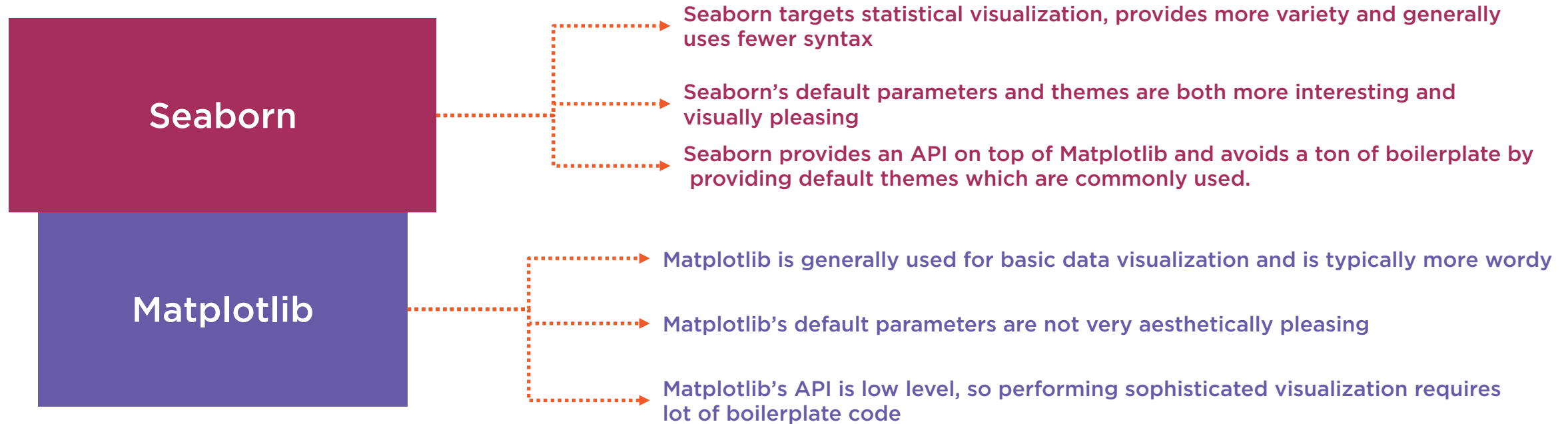
Visualization also makes communicating insights easier



Introduction to Seaborn



Introduction to Seaborn



Demo



Demo: Installing Seaborn and its dependencies

Dependencies:

- NumPy
- SciPy
- Matplotlib
- Pandas

