



Curtin University

Visualisations

ISYS5002, School of Marketing and Management

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I acknowledge the traditional custodians of
the land on which I work and live, and
recognise their continuing connection to land,
water and community. I pay respect to elders
past, present and emerging.



Jupyter Notebooks

- Reproducibility
- Data Exploration
- Formatted Text
- Computational Output
- Interactive Visualisations
- Dashbaord



Plotting Libraries

- Matplotlib
- Pandas
- Seaborn
- ggplot
- Plotly
- Bokeh



Interactive Visualisations

- Matplotlib Callbacks
 - ipywidgets
- Visualisations Toolkits
 - Plotly
 - Bokeh
 - Altair
- Embedding HTML



Dashboards

- Dash
- Anvil
- Atoti
- Streamlit
- Panel
- ExplainerDashboard



Library	Interaction	Output	Customization	Dashboard	Data Flow
matplotlib	Low	Flexible	Low	Limited	Bidirectional
Plotly	High	HTML	Low	Yes	Bidirectional
Bokeh	High	HTML	Low	Yes	Bidirectional
Altair	High	HTML	Low	Yes	Python → JavaScript
HTML Embedding	High	HTML	High	Yes	Bidirectional