

multiverse

DA Bootcamp Presentations



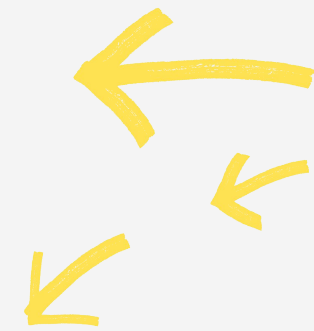
**Your chance to apply in
practice what you've learned so
far on the programme using a
dataset of your choosing.**

Key points:



1. Use as many of the skills you've learned in this course as possible
2. Emphasise on packaging your findings for a non-technical audience.
3. Focus on communicating your data and results with clarity

Structuring your work



An easy way to structure your work is the Data Workflow we presented earlier in the bootcamp. You can divide your presentation into the following 5 parts.



Develop hypothesis-driven questions for your analysis.

Select, import, & clean relevant data.

Structure, visualize & complete your analysis.

Create insights and business decisions from your analysis.

Present data-driven findings and recommendations to your audience.

Steps



1. Problem Framing

Format:

- Short problem statement with a hypothesis, outlining goals, criteria, intended audience, and data used.
- Identification of business/product objectives
- Confirm access and validity of chosen dataset- is your dataset open/public/proprietary? Is there any sensitive info that should be safeguarded?

2. Exploratory analysis –quite flexible

Steps



3. Final presentation

Description:

- Create a 5-8 minute presentation that delivers the most important insights to your identified audience.
- Review your goals, methods, and findings.
 - Include all relevant information about your aims and objectives (e.g. what question are you answering, what data are you using?)
 - Include your visualisations & findings
 - List any limitations and recommendations based on your data
- Present materials in an organized manner, telling a coherent story and making use of relevant data visualizations.
- Answer any follow-up questions from audience.

TIPS FOR SELECTING A DATASET



Think about what you want to get out of this mini project, and how you will demonstrate the newfound knowledge to others.

☐ Are you more interested in developing a specific technical skill?

or

☐ Are you more interested in expanding your knowledge of a topic or industry via data analysis?

OPEN DATASETS:

- data.world
- [Kaggle.com](https://www.kaggle.com)

GOVERNMENT DATA

- [U.S. Government's open data.](https://data.gov)
- [U.S. Census Bureau data.](https://www.census.gov/data)

Tip: Go to TOPICS, or DATA > Data Tools & Apps.

- [European Union Open Data Portal.](https://data.europa.eu/euodp)
- [UN data sets.](https://data.un.org/)
- [CIA: The World Factbook.](https://www.cia.gov/library/publications/the-world-factbook)

Tip: [Look up data via country comparisons.](#)

- [Gapminder.](https://www.gapminder.org)
- [Open data by Socrata.](https://data.socrata.com)

Tip: Limit search to data sets

FINANCE DATA

- [Google Finance.](#)
- [A list of articles referencing open/public data sets.](#)
 - [Finance data subreddit.](#)

EDUCATION DATA

- [U.S. Government's open data.](#)

HEALTHCARE DATA

- [HealthData.gov \(beta\).](#)
- [NHS Health and Social Care information Center](#)

SOCIAL MEDIA DATA

[Google Trends.](#)

Tip: Refine your search, click on the icon on the upper right-hand corner of page, and download as a CSV.

CITY-SPECIFIC DATA

- [NYC Open Data.](#)

Tip: Limit search type to data sets.

- [California Open Data Portal.](#)
- [NYC Taxi & Limousine Commission data](#)
 - [Citibike data](#)