

HDB Data Science Technical Test 2024/2025

Data Source:

https://data.gov.sg/datasets/d_c9f57187485a850908655db0e8cfe651/view

Brief:

Using the data source provided above, answer the following question: “What are the factors affecting rent prices for HDB flats in Singapore?”. While not necessary, you may further enrich the source data using any other available dataset from data.gov.sg. For this assessment, you may use either python or R for your analysis.

Deliverables:

One-page executive summary | Submit a one-page executive summary documenting your key findings. This summary should be succinct and highlight the logical flow of your results. We will be looking out for your clarity of thought, analytical thinking, logic, writing ability, and visual communication abilities.

PowerPoint presentation | Submit a PowerPoint presentation with no more than 3 slides in total. These slides should contain key points and key visualizations from your analysis of the dataset. Be prepared to present these slides at the start of your interview. You will have exactly 3 minutes to present your slides. We will be looking out for your visualization, storytelling, and verbal articulation skills.

Code | Submit the code used to generate your findings and key visualizations. Use Jupyter notebooks for python or R markdown for R. Ensure your code is well-written, well-formatted, and properly commented. Use an appropriate programming paradigm. We will also be looking out for code correctness, modularity, and efficiency.

Submission:

Compile all deliverables in a GitHub repository and send us a publicly accessible link.

Tips:

Aim for clarity and conciseness in your summary, visualizations, and presentation. Don't overload your visualizations.