`data-vis\README.md`

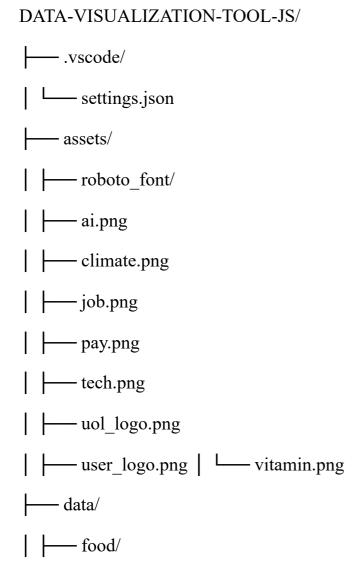# Case study 3: Data visualisation

Description

This project is an interactive data visualization tool built with **JavaScript**, using the **p5.js** library. It displays multiple datasets through animated and interactive charts focused on themes like:

- Gender Pay Gap
- AI Usage Patterns
- Food Intake and Nutrition
- Climate and Tech Diversity Trends

Each chart is rendered on a custom-designed canvas with accessible color schemes and modular components. The project includes assets, survey data, and UI elements designed for exploratory analysis and educational purposes.

Repository Format

DATA-VISUALIZATION-TOOL-JS/

├── .vscode/

│   └── settings.json

├── assets/

│   ├── roboto_font/

│   ├── ai.png

│   ├── climate.png

│   ├── job.png

│   ├── pay.png

│   ├── tech.png

│   ├── uol_logo.png

│   ├── user_logo.png │   └── vitamin.png

├── data/

│   ├── food/

```
│   │   ├── avg-intake-weighted-reference-nutrient.csv
│   │   ├── avg-intake-weighted-reference-nutrient...
│   │   └── uk-food-attitudes-2018.csv
│   ├── pay-gap/
│   │   ├── sources/
│   │   ├── all-employees-hourly-pay-by-gender.csv
│   │   └── occupation-hourly-pay-by-gender-201...
│   ├── surface-temperature/
│   └── survey/
│   ├── ai_double_check_survey.csv
│   └── ai_usage_survey.csv
├── lib/
│   └── .eslintrc
├── ai-check.js
├── canvas_design.js
├── climate-change.js
├── gallery.js
├── helper-functions.js
├── index.html
├── nutrient-intakes.js
├── pay-gap-1997-2017.js
├── pay-gap-by-job-2017.js
├── pie-chart.js
├── README.md
├── sketch.js
├── style.css
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├── tech-diversity-gender.js

├── tech-diversity-race.js

├── uk-food-attitudes-2018.js

├── data-vis.zip

├── draft_tasks.xlsx

├── layout-draft.pptx

├── Q2.docx

├── Q2.pdf

├── Q3.docx

├── Q3.pdf
```