# Evie Brass

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## PROFILE

Data Analyst with a background in climate physics and experience in the insurance sector, skilled in handling large datasets, statistical analysis, and data visualisation. Passionate about leveraging data to drive insights in the renewable energy and decarbonisation sectors. Adept at SQL, Python, and the full Google suite, with a strong ability to translate complex data into actionable insights. Looking to transition into a more climate - focused role leveraging my atmospheric physics knowledge.

## EDUCATION

### IMPERIAL COLLEGE LONDON – MSCI PHYSICS (2020-2024)

- **Masters Project:** Assessed the impact of localised patterns of sea surface warming using CMIP6 netCDF data. Developed Python-based data pipelines to pre-process and analyse multi-dimensional datasets using Pandas, NumPy, and Matplotlib. Visualised global climate feedbacks with Cartopy and Xarray. Applied bootstrapping, regression, and error propagation techniques to assess statistical significance of any found trends.
- Delivered findings through a LaTeX typeset technical report, a research poster, and a presentation tailored for both technical and non-technical audiences.

## EXPERIENCE

### JUNIOR DATA ANALYST, URBAN JUNGLE INSURANCE (2024-PRESENT)

- Built an interactive dashboard using Pandas_gbq and Streamlit, enabling stakeholder access to key retention and customer volume metrics.
- Analysed market data to optimise pricing strategies via sales prediction and customer retention modelling to drive trading without impacting vulnerable customers or hurting profit margins.
- Led the setup of external claims reporting infrastructure, collaborating with data engineers and product teams to ensure scalability and efficiency.
- Helped to develop a predictive Google Sheets model to analyse risk concentration from policy renewal impacts across multiple underwriters.

### DATA ANALYST INTERN, URBAN JUNGLE INSURANCE (2023)

- Automated reporting processes using SQL, DBT, Jinja, and Looker Studio reducing manual effort for Board MI reports and weekly KPI tracking.
- Used Python to visualise acquisition trends via geospatial plots, informing business eligibility and pricing strategies.

### SUMMER RESEARCH PROJECT, IMPERIAL COLLEGE LONDON – 2022

- Conducted data-driven research on student belonging in large-scale educational environments, designing and analysing student survey data and professor interview responses.
- Produced a report with actionable recommendations to improve university communication practices across various departments,

### PRIVATE TUITION – 2018-2024

## TECHNICAL SKILLS

- **Programming and Data Analysis:** Python (Pandas, NumPy, SciPy, Xarray), SQL (Big Query), DBT, Jinja, Git, Jupyter Notebooks
- **Data Visualisation:** Python (Matplotlib, Streamlit, Cartopy), Looker Studio, Google Sheets