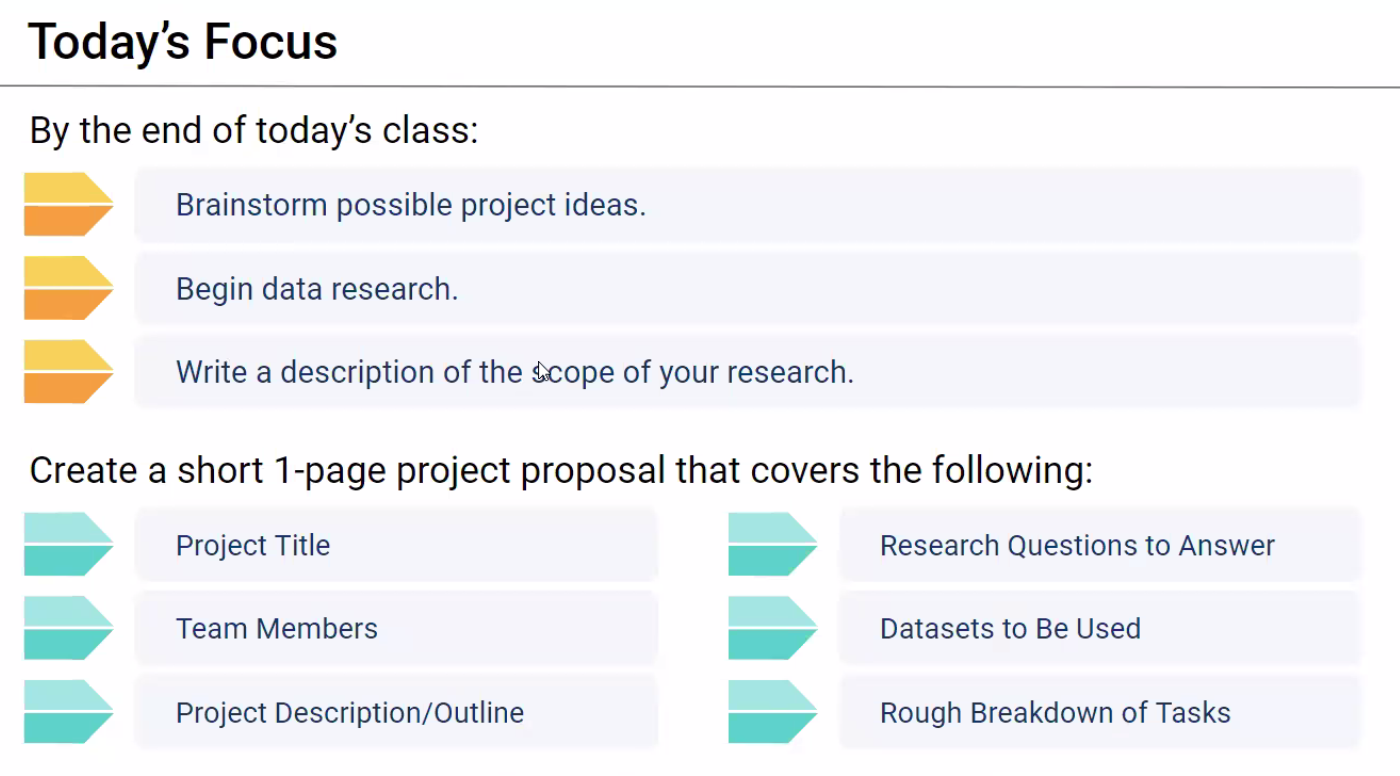
Alpaca trade

<https://github.com/alpacahq/alpaca-trade-api-python/>



**Brainstorm possible project ideas:**

1. Real estate/property market (Fab)
   1. Migration data <https://www.abs.gov.au/statistics/people/population/overseas-migration/2022-23-financial-year#data-downloads>
   2. Housing data <https://www.abs.gov.au/statistics/economy/price-indexes-and-inflation/residential-property-price-indexes-eight-capital-cities/latest-release>
   3. <https://developer.proptrack.com.au/docs/apis/home>
   4. Population data
   5. RBA interest rate/inflation data
2. Stock market/RBA/ABS (Lewis)
3. Energy sector (Simone)
   1. Big focus on carbon emissions in housing etc.
   2. ABS population <https://explore.data.abs.gov.au/>
   3. Victoria phasing out gas
   4. Carbon emission/temperature vs share price of utility companies
   5. <https://www.abs.gov.au/statistics/industry/energy/energy-account-australia/2021-22energy> data
4. <https://data.gov.au/home> generic data

***What Question we want to answer?***

***What data sources we have available?***

*If its free?*

*Type? CSV/API*

*Current? e.g. 2022 onwards*

*Quantity? (2 years of data)*

**Structure**

* Host of repo - Lewis

**Completed Analysis Uploaded to GitHub (20 points)**

**Visualisations (20 points)**

**Analysis and Conclusion (20 points)**

**Group Presentation (20 points)**

**Slide Deck (20 points)**

**Group Contact**

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Home Affairs Migration Program Statistics - Reports

<https://www.homeaffairs.gov.au/research-and-statistics/statistics/visa-statistics/live/migration-program>

ABS Migration Data 2005 - 2023

<https://www.abs.gov.au/statistics/people/population/overseas-migration/latest-release#data-downloads>

<https://www.abs.gov.au/about/data-services/data-explorer/data-explorer-user-guide/generating-application-programming-interface-api-calls>

ABS API User Guide

<https://www.abs.gov.au/about/data-services/application-programming-interfaces-apis/data-api-user-guide>