

Construction Producer Price Predictor

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Sponsor: Western Sydney University

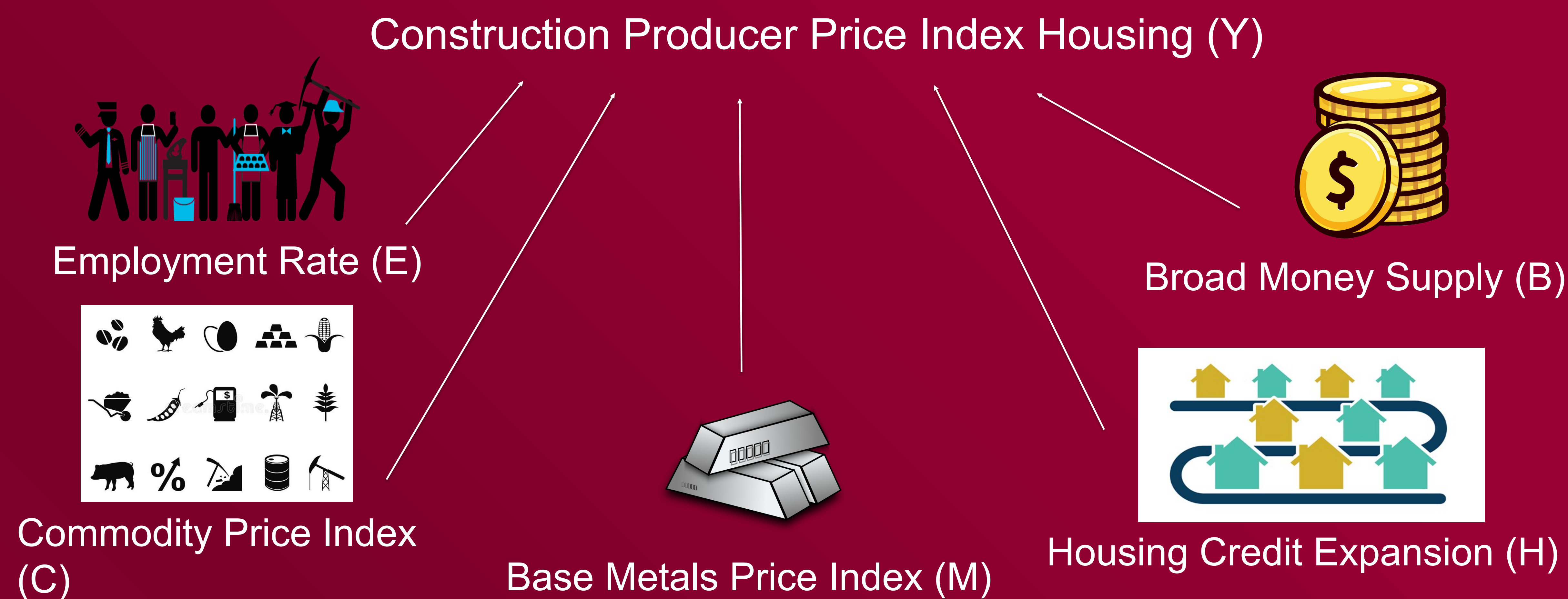
Capstone 2024

Objective:

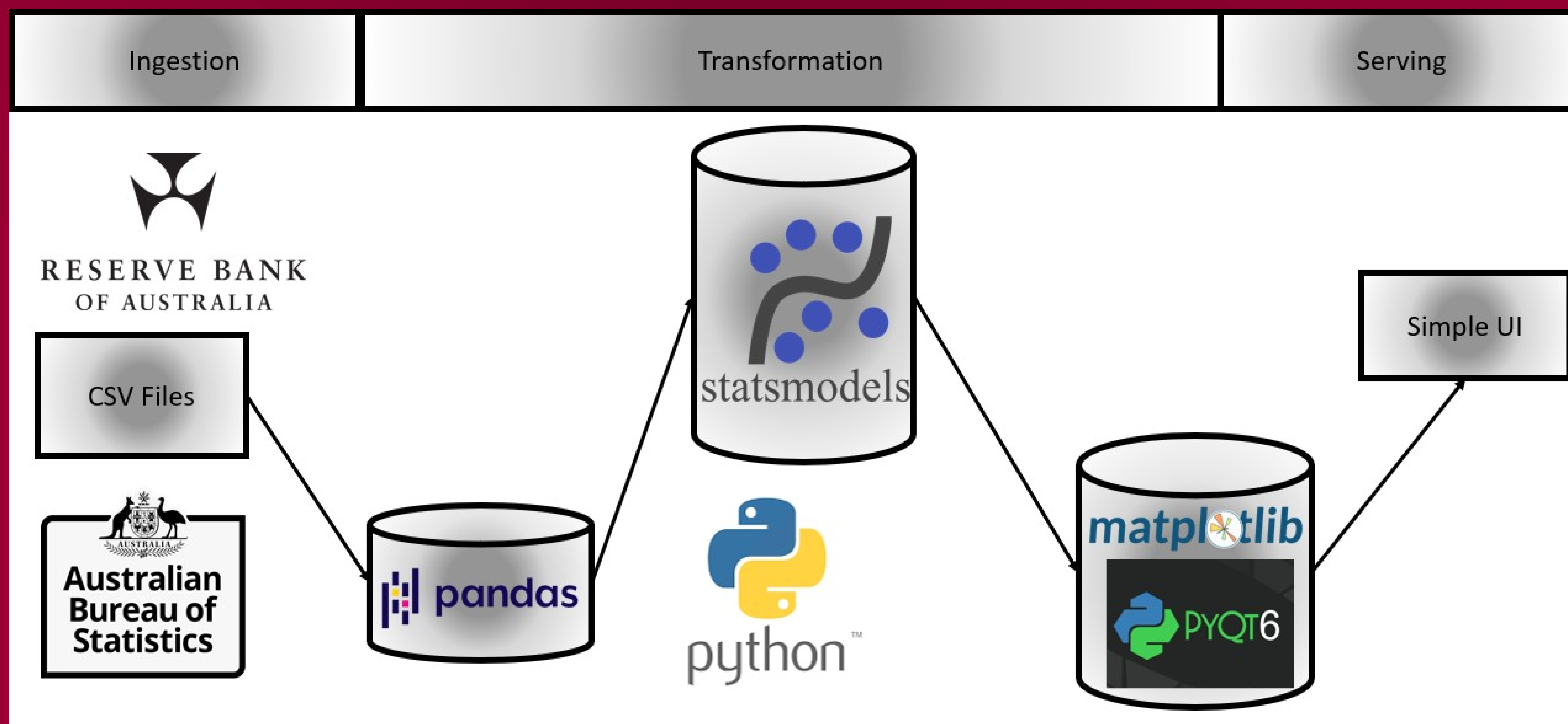
- Create a prediction model for housing construction costs in the Australia market.
- Use economic factors to create the equation for predicting Producer Price Index (PPI)
- Conduct research and work with an industry professional to better understand the value of certain factors and their impact to the greater market.

Regression Model and Economic Factors:

$$Y = -201.485 + 4.2463E + 0.0596C - 0.1122M + 0.5008H + (2.818 \times 10^{-11})B$$



Project Architecture:



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