# PS1

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## 1 Introduction

My interests in economics primarily include econometrics and monetary policymaking. However, monetary policymaking is more of a hobby that I like to follow rather than something I would look to pursue a career in. In data science, I am intrigued by the optimization of problems and the ability to make better decisions with the use of machine learning models. I am taking this class because my knowledge of ML is very elementary and I am taking this class as a step to improve my skills in data and ML techniques. My goal for this class is to become much more acquainted with data collection and coding. I am concurrently taking math courses and hope to be able to better use computer software to model large datasets with math techniques I am also learning. For the class project, I will probably do something in macroeconomics in monetary policymaking or maybe something in baseball statistics–as I have been a huge fan of baseball stats since grade school and the MLB Savant page is rich in any sort of data. After graduation, I would like to do something in business that helps with forecasting future outcomes or using math to optimize functions – as everything follows the laws of calculus and physical law.

### 1.1 Equation

$$a^2 + b^2 = c^2$$