

## Midterm Project

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### Introduction

The goal of this midterm is to investigate and compare investments in stocks, bonds, and precious metals. To get started on your project you are to:

1. Identify five stocks from the S & P 500, a government bond, and a precious metal.
2. Invest a hypothetical amount of money in each and track the amount( yearly) in the account from 2000 - 2016.
3. Determine the best investment without taking into account taxes or inflation.
4. Determine the taxation that would apply to each situation based on the 2016 tax rates.
5. Apply this tax to your investment and describe the outcome of taking tax into consideration.
6. Investigate the **annual rate of inflation from 2000 to 2015** and account for this in your model.
7. Summarize your findings and describe how each different investment performed. What does this mean to you as an investor?
8. Based on this investigation, determine a mixture of these investments to disperse \$10,000. Demonstrate the growth of this fund over the same period of time. This is a perfect opportunity for a pie chart!

흠어지다. 분산하다

### Final Product

Your final product will be a markdown document that you **publish on your github page**. This document should contain clear information about the sources of your data with appropriate attribution. Your work should contain multiple representations of your mathematical analysis including but not limited to graphs, tables, equations, and numbers. Your work should be well organized, clear, concise, accurate, and look nice!