

## Rohit Garg

### Objective

Describe and explain all the factors that could influence residential home prices across the United States over the next 10 years, and how.

### Factors

Below is the list of top 5 factors (along with the influence):

Variable	Influence	Definition
Growth in the Economy	+ve	With higher economic growth and growing wages, people can spend more on housing, improving application and boosting prices.
Unemployment	-ve	Very few people will have possible to afford a house as unemployment rises. But even fear of unemployment can stop people from entering the real estate market.
Interest Rates	-ve	A high-interest rate era would increase mortgage costs and reduce the demand for a house to be purchased. High-interest rates make rental attractive.
Mortgage Availability	+ve	The borrowing conditions for a larger house purchase deposit. The supply of loans (mortgage) if limited, then the demand for housed will fall.
House Income Rates	-ve	If the house price-to-income ratio increase then homes are relatively expensive at this level, and a correction with the drop in house prices is observed.

### Range

To develop the MECE framework each variable has been divided into 3 bins

Variable	Range	Low	Mid	High
Growth in the Economy	Year over year growth in GDP	Less than 0%	0 to 5%	More than 5%
Unemployment	Unemployment rate over 12 months	Less than 5%	5 to 10%	More than 10%
Interest Rates	Mortgage rates (APR)	Less than 10%	10 to 15%	More than 15%
Mortgage Availability	Applications approved by total applications	1 in 100	1 in 25	1 in 10
House Income Rates	Year over year growth in Rates	Less than 0%	0 to 10%	More than 10%

### Combinations

There are  $3*3*3*3*3 = 243$  total combinations

Please refer the csv file (**MECE.csv**)