LAB 4 – Regression Over Autoregressive Forecast

## Problem Formulation

- Enviar .ipynb para o chat avaliar, informar sobre o assunto e pedir primeiro para formular um índice com no m+aximo 6 páginas

- Com base no .ipynb criar um parágrafo de Problem Formulation

## Methodology

- Relacionar ao longo do código quais fórmulas foram aplicadas.

## Results

- Ordinary Least Squares Regression

Why is it limited in the case?

- Durbin-watson statistics

what is it for and why or where should we use it

- Cochrane-Orcutt

What is this algorithm about and the contributions to the OLS

- Autocorrelation Method

- Comparison

1 - OLS

2 - Cochrane Orcutt (CO)

3 - Autorregration AR(1)

4 - Autorregration with Loads AR(1)+Load Sum

- Other Methods (challenge)

Show the alternative models chosen

Show the interference prediction variables have in the precision of these new models

## Final notes

- Typical conclusion