LabWork #6
MAT 116E-Advanced Scientific and Engineering Computing (MATLAB)
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Main Task (Forecasting via Polynomials)

In this task, you are going to try to make a curve fitting example for USD/TRY exchange rate. Go to [1], download *currencyUSD.mat* and perform the following subtasks.

- Create a variable t having the same size with USD.

- Use

    - linear,
    - quadratic (2nd order polynomial),
    - third order polynomial

  to make a curve fit.

- Plot the curves in the same figure and add a legend to label them.

- Make a forecast (extrapolation) for the forthcoming 30 work days.

Submission Information

Any LabWork submitted after class will be subject to a 20-point deduction per 24 hour period. Extensions should be requested at least 3 days in advance and will only be granted for exceptional reasons (e.g., conference submission). You may work with your friends. Collaboration is strongly recommended. However, each student should be able to present his/her program.

References

[1] https://web.itu.edu.tr/goksug/courses/MAT116E18F/