UNIVERSITY of HOUSTON

CULLEN COLLEGE of ENGINEERING

Department of Electrical & Computer Engineering

New Graduate Level Course with DATA SCIENCE Projects
ECE 6397 – 02 (14956) – Selected Topics:
State-Space Estimation with Physiological Applications

Spring 2019

MW 1:00 – 2:30 pm

Are you . . . .

- Excited about Data Analysis?
- Motivated about Applying Your Probability and MATLAB Skills to Real-World Data?
- Interested in Applying Signal Processing to Real-World Data?
- Enthusiastic in Bringing the Power of Data Science to Your Own Field of Research?

You are Provided with:

- Different Real-World Data-Sets,
- Various Codes Applicable to Real-World Data-Sets,
- Different Static and Dynamic Approaches for Data Analysis and State Estimation,
- Step-by-Step Guidelines for Writing a Research Paper.

You will:

- Implement Course Topics on Data,
- Report Your Results,
- Complete Step-by-Step Millstones for Writing a Research Paper.
- Be Evaluated Based on Course Projects!

❖ Welcome to the Applied World of Biomedical Data Science!

Course Developed Based on MIT's Special Topics Course on Neural Signal Processing

About the instructor:

- **Rose T. Faghih, Ph.D.**
- Assistant Professor, Electrical and Computer Engineering
  Cullen College of Engineering, University of Houston