

ChBE 201 -- Fall 2019

Class Schedule

| Date | Class # | Topics | TB chapters | Lecturer | HW out | HW Due | |
|---------------|---------|--|-------------------|----------|-----------|-----------|--|
| 4-Sep-19 | 1 | Introduction / Getting Started with R | TB Chapter 2 | DR | HW DR-1 | | |
| 9-Sep-19 | 2 | Review of Elementary statistics - A | AppSta_Chap 4 | CG | | | |
| 11-Sep-19 | 3 | Review of Elementary statistics - B & Problems | AppSta_Chap 5 | CG | HW CG-1 | HW DR-1 | |
| 16-Sep-19 | 4 | Linear Algebra A: Vectors | | CG | | | |
| 18-Sep-19 | 5 | Linear Algebra B: Matrices | Handout | CG | HW CG - 2 | HW CG-1 | |
| 23-Sep-19 | 6 | Linear Algebra A: SVD | Handout | CG | | | |
| 25-Sep-19 | 7 | Data Craft: Preparing, Examining and Transforming Data | Hands-On Workshop | DR | HW DR-2 | HW CG - 2 | |
| 30-Sep-19 | 8 | Linear Regression - A | Chaper 3 | CG | | | |
| 2-Oct-19 | 9 | Linear Regression - B | Chaper 3 | CG | HW CG - 3 | HW DR-2 | |
| 7-Oct-19 | 10 | Linear Regression - C | Chaper 3 | CG | | | |
| 9-Oct-19 | 11 | Model Results Analysis | Hands-On Workshop | DR | | HW CG - 3 | |
| 14-Oct-19 | --- | Columbus Day | | | | | |
| 15-Oct-19 | 12 | REVIEW | | CG | | | |
| 16-Oct-19 | 13 | Quiz I | | | | | |
| 21-Oct-19 | 14 | Resampling Methods: Cross-Validation, Bootstrap | Chapter 5 | DR | | | |
| 23-Oct-19 | 15 | Classification: Logistic Regression | Chapter 4 | DR | HW DR-3 | | |
| 28-Oct-19 | 16 | Classification: Linear & Quadratic Discriminant Analysis | | DR | HW DR-4 | HW DR-3 | |
| 30-Oct-19 | 17 | Classification & Resampling (Review of HW-DR4) | | DR | | HW DR-4 | |
| 4-Nov-19 | 18 | Moving Beyond Linearity - A | Chapter 7 | CG | HW CG-4 | | |
| 6-Nov-19 | 19 | Moving Beyond Linearity - B | Chapter 7 | CG | | | |
| 11-Nov-19 | --- | Veterans Day - no class | | | | | |
| 13-Nov-19 | 20 | Linear Model Selection & Regularization | Chapter 6 | DR | HW DR-5 | HW CG-4 | |
| 18-Nov-19 | 21 | Linear Model Selection & Regularization (cont) | Chapter 6 | DR | | | |
| 20-Nov-19 | 22 | Tree-Based Methods - A | Chapter 8 | DR | HW DR-6 | HW DR-5 | |
| 25-Nov-19 | | Tree-Based Methods - B | Chapter 8 | DR | | | |
| 27-Nov-19 | 23 | Thanksgiving break - no class | | | | | |
| 2-Dec-19 | 24 | Support Vector Machines - A | Chapter 9 | DR | | HW DR-6 | |
| 4-Dec-19 | 25 | Support Vector Machines - B | Chapter 9 | DR | | | |
| 9-Dec-19 | 26 | Quiz II | | | | | |
| Finals | | Presentation of Projects | | | | | |