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| **Week** | **Topic of Study** | **Resources** | **Assignments** |
| 1 | Topic 1 = Intro to Data Analytics | * Syllabus * Project Guidelines * PPT – ANLY 500 Intro * Lab Resources * Lab Documents * Review of R | * Install R and Rstudio |
| 2 | Topic 2 = Online Session 1 – Chapter 1 | * Chapter 1 PPT – Evans * Reading Solutions | * N/A |
| 3 | Topic 3 – Online Session 2 – Chapter 3 | * Chapter 3 PPT – Evans * Reading Solutions | * N/A |
| 4 | Topic 4 – Online Session 3 | * Chapter 4 PPT – Evans * Reading Solutions | * N/A |
| 5 | Topic 5 – Online Session 4 | * Chapter 5 PPT – Evans | * N/A |
| 6 | Topic 6 – Online Session 5 | * Chapter 6 PPT – Evans * Reading Solutions | * N/A |
| 7 | Topic 7 – Online Session 6 | * Chapter 7 PPT – Evans * Reading Solutions | * Lab 1 * Final Project Proposal |
| 8 | Topic 8 – Online Session 7 | * Chapter 8 PPT – Evans * Reading Solutions * Midterm Resources (Review) | * Midterm Exam |
| 9 | Topic 9 – Online Session 8 | * Chapter 9 PPT – Evans * Reading Solutions | * N/A |
| 10 | Topic 10 – Resources & Material (Extra) | * TBD | * N/A |
| 11 | Topic 11 – Online Session 9 | * Chapter 10 PPT – Evans * Reading Solutions | * Data Mining Forum – Discussion |
| 12 | Topic 12 – Online Session 10 | * Chapter 12 PPT – Evans * Monte Carlo Simulation in R * Outsourcing Decision Model (xlsx) * Outsourcing Monte Carlo Simulation Decision Model (xlsx) | * N/A |
| 13 | Topic 13 – Online Session 11 | * Chapter 13 PPT – Evans * Reading Solutions | * N/A |
| 14 | Topic 14 – Online Session 12 | * Chapter 14 PPT – Evans | * N/A |
| 15 | Topic 15 – Final Week | * N/A | * Final Project * Lab 2 * Final Exam |