|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Clarity1-5,5 clearest | Usefulness1-5, 5 most useful | Date | Presenter | Abstract | Slide | Title | Abstract | Slide |
|  |  | 8/31 | 1. Lynn Kuo2. Lynn Kuo | 2. Orientation | [Syllabus.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/syllabus2020f.pdf) | OrientationWriting |  | [Writing](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2017f/Writing.pdf) |
|  |  | 9/7 | ------------- | Labor Day | ----------------- | Labor Day |  |  |
|  |  | 9/14 | Lynn KuoLynn Kuo | 1. [Orientation](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Kuo_Kuo_Abstract_9_14.docx)
2. [Writing](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Kuo_Kuo_Abstract_9_14.docx)
 | [Writing.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Writing.pdf) | Cluster Computing |  | [Cluster.zip](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2016f/cluster.zip) |
|  |  | 9/21 | 1.Lynn Kuo2.Lynn Kuo | 1. 1. st3494W-001 proposal writing [**How to develop a class project, write a proposal, first draft and the final paper for the course (for STAT3494W - 001, BIST/STAT5099 - 001)**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Kuo_Kuo_Abstract_9_21.doc)2. st3494W-002 proposal writing 2. [… **(for STAT3494W - 002, BIST/STAT5099 - 002)**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Kuo_Kuo_Abstract_9_21.doc) | [Kuo\_How.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Kuo_How.pdf) | Recru2iter from2. ?? |  |  |
|  |  | 9/28 | 1. Brad Efron (video)2. Efron, Morris, Tisbshirani (video) | 1. [The Statistical Century](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Efron_Friends_Abstract.doc)2. [A Conversation with Good Friends](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Efron_Friends_Abstract.doc) | 1. <http://www2.stat-athens.aueb.gr/~jpan/volume-Panaretos/Efron.pdf>1.<https://www.youtube.com/watch?v=yT28grkoi30&index=12&list=PL9G4n1wtRTDSqgiwjqYMyMQaL7aESSxUD>2.<https://www.jstor.org/stable/3182856?seq=1#metadata_info_tab_contents>2.<https://www.youtube.com/watch?v=LzWfYZpfqO4&list=PL9G4n1wtRTDSqgiwjqYMyMQaL7aESSxUD&index=13>3.https://advances.sciencemag.org/content/advances/3/6/e1700768.full.pdf |  |  | NA |
|  |  | 10/5 | 1.Starmer(video)2.Strarmer(video) | 1. & 2 [Hypothesis Testing and P-Values](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Starmer_Pvalues_abstract.doc) | Hypothesis Testing and The Null Hypothesis: <https://www.youtube.com/watch?v=0oc49DyA3hU&feature=youtu.be>Alternative Hypotheses: Main Ideas: <https://www.youtube.com/watch?v=5koKb5B_YWo>P-values: What they are and how to interpret them (11.21 <https://www.youtube.com/watch?v=vemZtEM63GY>How to calculate p-values<https://www.youtube.com/watch?v=JQc3yx0-Q9E> |  |  |  |
|  |  | 10/12 | 1.& 2. Josh Starmer (video) | [Machine Learning Fundamentals: Cross Validation, Confusion Matrix, Sensitivity and Specificity, and ROC and AUC](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Starmer_machine%20learning_Abstract.doc) | <https://www.youtube.com/watch?v=fSytzGwwBVw&list=PLblh5JKOoLUICTaGLRoHQDuF_7q2GfuJF&index=2>2.<https://www.youtube.com/watch?v=Kdsp6soqA7o>3. <https://www.youtube.com/watch?v=vP06aMoz4v8>4.<https://www.youtube.com/watch?v=4jRBRDbJemM> |   |  |  |
|  |  | 10/19 | 1.Josh Starmer (video)2.Min Lin | 1.[Principal Component Analysis](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Starmer_Lin_Abstract.doc) 2.[**Introduction to the EM Algorithm and Its Application in “Complete” Data**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Starmer_Lin_Abstract.doc) | 1.1.<https://www.youtube.com/watch?v=FgakZw6K1QQ>1.2. [https://youtu.be/oRvgq966yZg](https://www.youtube.com/watch?v=oRvgq966yZg)1.3. [https://youtu.be/0Jp4gsfOLMs](https://www.youtube.com/watch?v=0Jp4gsfOLMs) code: <https://github.com/StatQuest/pca_demo...>1. [Min\_Lin\_EM.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Min_Lin_EM.pdf)
 |  |  | NA |
|  |  | 10/26 | 1.Ganchao Wei2.Yaqiong Yao | **1.** [**Latent Structure Detection from Neural Spiking Data**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Wei_Yao_Abstract.doc)**2**[**. An Introduction to Web Scraping Using R**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Wei_Yao_Abstract.doc) | To be available soonNA |  |  |  |
|  |  | 11/2 | 1.Sydney Louit2.Daniel Prather | 1[. **A Demographic Approach to the 2016 Election Results: Is it More Accurate than Exit Polls?**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Louit_Prather_Abstract.doc)2[. **An Introduction to the UCONN Statistics Cluster (for graduate students)**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Louit_Prather_Abstract.doc) | 1. [Louit\_Election.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Louit_Election.pdf)
2. [Slides for Prather](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Prather_Slides_computer%20Cluster.pdf)

[Recorded presentation by Prather: Cluster.mp](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Prather_recording.mp4)4 |  |  |  |
|  |  | 11/9 | 1. Jie Jiao2.Yicheng Guo | [1.An Introduction to Tree-Based Methods](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Jiao_Guo_Abstract.doc)**2.[Data Visualization for Basketball Data](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Jiao_Guo_Abstract.doc)** | 1.2.[Yicheng Guo.pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Yicheng%20Guo.pptx) |  |  |  |
|  |  | 11/16  | 1.Anhar Aloufi2.Josh Starmer(video) | 1.[Sequential procedures for Estimating the Difference of Location Parameters of Two Negative Exponential Populations](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Aloufi_Starmer_PCA_Abstract.doc)2. [Principal Component Analysis](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Aloufi_Starmer_PCA_Abstract.doc) | 1. [Aloufi-Anhar-Sequential Analysis.pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Aloufi-Anhar-Sequetial%20Analyis.pptx)2.1.<https://www.youtube.com/watch?v=FgakZw6K1QQ>2.2. [https://youtu.be/oRvgq966yZg](https://www.youtube.com/watch?v=oRvgq966yZg)2.3.[https://youtu.be/0Jp4gsfOLMs](https://www.youtube.com/watch?v=0Jp4gsfOLMs) code: <https://github.com/StatQuest/pca_demo...> | Thanksgiving Break |  |  |
|  |  | 11/23 | 1. NA2. NA | Thanksgiving Break |  | Grid Integration of Intermittent Renewable Generation: Markovian and Interval Optimization Approaches | [Abstract\_Yan.docx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2016f/Abstract_Yan.docx) | NA |
|  |  | 11/30 | 1.Shangshu Li2.Yi Yang | 1. [**A common machine learning algorithm-support vector machine**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Shangshu%20Li_Yi%20Yang_Abstract.doc)
2. [**An Introduction to Cluster Analysis**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2020f/Shangshu%20Li_Yi%20Yang_Abstract.doc)
 |  |  |  |  |
|  |  | 12/7 | 1.Kun Liu2.Zihuan Deng | Kaggle competition 'Titanic:Machine Learning from Disaster' |  |  |  |  |