|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Clarity  1-5,5 clearest | Usefulness  1-5, 5 most useful | Date | Presenter | Abstract | Slide | Title | Abstract | Slide |
|  |  | 8/30 | Lynn Kuo | Orientation | [Syllabus.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/syllabus2021f.pdf) | Orientation  Writing |  | [Writing](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2017f/Writing.pdf) |
|  |  | 9/6 | ------------- | Labor Day, No Classes | ----------------- | Labor Day |  |  |
|  |  | 9/13 | Daniel Prather | [Prather\_Abstract.docx](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Prather_Abstract.docx) | 1. [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 | Cluster Computing |  | [Cluster.zip](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2016f/cluster.zip) |
|  |  | 9/20 | Lynn Kuo | 1. & 2. st3494W-001/002 proposal writing  [**How to develop a class project, write a proposal, first draft and the final paper for the course (for STAT3494W – 001/002, STAT5095 – 001/002)**](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Kuo_Kuo_Abstract_9_20.docx) |  | Recru2iter from2. ?? |  |  |
|  |  | 9/27 | Lynn Kuo | Discuss Examples of Proposals | [Review on writing a proposal\_9\_27\_2021.pptx](https://uconn-my.sharepoint.com/personal/lynn_kuo_uconn_edu/Documents/Documents/Teaching/st5095/Review_on_writing_a_proposal_9_27_2021.pptx) |  |  | NA |
|  |  | 10/4 | Lynn Kuo | Discussion on writing | [Review on writing a paper with a rubric.pptx](https://uconn-my.sharepoint.com/personal/lynn_kuo_uconn_edu/Documents/Documents/Teaching/st3494w/2021F/presentation_10_4_2021/review%20on%20writing%20a%20paper%20with%20rubric.pptx)  [How to Write a Statistical Paper\_LK.docx](https://uconn-my.sharepoint.com/personal/lynn_kuo_uconn_edu/Documents/Documents/Teaching/st5095/How%20to%20Write%20a%20Statistical%20Paper_LK.docx?web=1) |  |  |  |
|  |  | 10/11 | Lynn Kuo | Writing | [Kuo\_How.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/kuo_how_2021f.pptx)  [Writing.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Writing_Kuo.pdf) |  |  |  |
|  |  | 10/18  Proposal Due | 1.Jung Lee  2.Lynn Kuo | [**A latent class selection model for categorical response variables with non-ignorable missing data**](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Lee_Kuo_abstract.docx)  [**More Discussion on Writing a Statistical Paper**](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Lee_Kuo_abstract.docx)  . | [Presentation\_JungWunLee.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Presentation_JungWunLee.pdf) |  |  | NA |
|  |  | 10/25 | 1.Catherine Cheu  2.Lynn Kuo | **1.** [**Machine Learning in Small-Angle Scattering**](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Cheu_Kuo_abstract.docx)  2.[More Discussion on Writing a Statistical Paper](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Cheu_Kuo_abstract.docx) | NA |  |  |  |
|  |  | 11/1 | 1.Yifan Li  2.Lynn Kuo | 1[**Bayesian Analysis of a Flexible Power Link Item Response Theory Model for Unbalanced Dichotomous Data**](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Li_Kuo_abstract.docx) 2.[More Discussion on Writing a Statistical Paper](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Li_Kuo_abstract.docx) | NA (wait until the paper is published) |  |  |  |
|  |  | 11/8 | 1.Jun Jin  2.Lynn Kuo | [1. An Introduction to Sufficient Dimension Reduction](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Jin_Kuo_abstract.docx) [2.More Discussion on Writing a Statistical Paper](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Jin_Kuo_abstract.docx) | [Jun\_Jin\_Slide.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Jun_Jin_Slide.pdf)  [ReadMe.txt](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/ReadMe.txt)  [simulation.R](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/simulation.R)  [SIR.R](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/SIR.R)  [SIR1.R](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/SIR1.R)  [PSVM.R](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/PSVM.R)  [LASSO\_SDR.R](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/LASSO_SDR.R) |  |  |  |
|  |  | 11/15 | 1.Garrett Frady  2.Lucas Da Cunha Godoy | 1. [Comparing the performance of the GD prior vs. spike-and-slab prior in high-dimensional variable selection](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Frady_Godoy_abstract.docx) 2. [**Voronoi Linkage between Point-Referenced Data and Areal Data in Spatial Analysis with Application to Brazilian Election 2018**](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Frady_Godoy_abstract.docx) | 1. [Frady\_Presentation.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Frady_Presentation.pdf) 2. ? | Thanksgiving Break |  |  |
|  |  | 11/20  1st Draft  11/22 | 1. NA  2. 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 |
|  |  | 11/29  12/1  Return of  Graded 1st Draft | 1.Jiwon Park  2.Lynn Kuo | [**Gamma mixture model to predict the severity of the claim from auto insurance data**](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Park_Kuo_abstract.docx)  2. [Hypothesis Testing and P-Values](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Park_Kuo_abstract.docx) | NA 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> |  |  |  |
|  |  | 12/6 | 1. Starmer (Youtube)  2.Starmer (Youtube) | [Machine Learning Fundamentals: Cross Validation, Confusion Matrix, Sensitivity and Specificity, and ROC and AUC](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Starmer_machine%20learning_PCA_Abstract.docx) 2.[Principal Component Analysis](http://merlot.stat.uconn.edu/~lynn/3494_5095_web/2021f/Starmer_Machine%20Lerning_PCA_Abstract.docx) | <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>  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...> |  |  |  |

December 17, Final Paper Due