|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Clarity1-5,5 clearest  | Useful-ness1-5, 5 most useful | Date | Presenter  | Title/Abstract | Slide |
|  |  | 1/25/21 | Lynn Kuo | 1. Orientation & Syllabus
2. Same as 1.
 | [Syllabus](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/syllabus2021s.docx) |
|  |  | 2/1/21 | Lynn Kuo | Both classes are canceled due to inclement weather |  |
|  |  | 2/8/21 | Lynn Kuo | 1. proposal and paper writing for 3494W-001/002[**How to develop a class project, write a proposal, first draft and the final paper for the course (for STAT3494W – 001/002, BIST/STAT5099 – 001/002 welcome)**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Kuo_Kuo_Abstract_2_8_21.doc)2.Same as 1.  | [How to](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Kuo_How_2021S.pdf)[Writing](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Writing_Kuo.pdf) |
|  |  | 2/15/21 | Lynn Kuo | 1.[On Writing and Proposal Example](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Kuo_Kuo_Abstract_2_15_21.doc)2. same as 1. Note: Proposal, first draft, and final paper are only required for students in stat3494W. 2 Proposal and 5 paper examples are given in stat 3494W huskyCT “Recommended Reading” folder.  | [How to write a statistical paper.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/how%20to%20write%20a%20statistical%20paper_lk.pdf)Please read this on your own: [What stat. paper should look like\_2\_15\_21.docx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/what%20stat%20paper%20should%20look%20like_2_15_21.docx)[Review on Writing a proposal\_2\_15.2021.pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Review%20on%20writing%20a%20proposal_2_15_2021.pptx) |
| 1.2. | 1.2. | 2/22/21 | Haoxi MaJiyeon Song | 1. [R leaflet and R shiny](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Ma_Song_Abstract_2_22_21.doc)[2. The effect of water quality on the incidence of diarrhea in Ethiopia](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Ma_Song_Abstract_2_22_21.doc) | 1.[R.Leaflet.html](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/RLeaflet.html); [Haoxi\_Ma\_app.R](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Haoxi_Ma_app.R)2. NA |
| 1.2. | 1.2. | 3/1/21 | Ziqi HanShike Xu | 1. [**Introduction to Lasso regression and its variants**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Han_Xu_Abstract_3_01_21.doc)2. [**Matrix completion**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Han_Xu_Abstract_3_01_21.doc) | 1. NA2. [Shike\_Xu\_Slides.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Shike_Xu_Slides.pdf) |
| 1.2. | 1.2. | 3/8/21 | Ziwei RenYuxin Tang | 1. [**Clinical Trial-Phase II Design & Analysis**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Ren_Tang_3_08_21.doc)2. [**Introduction to Cox Regression Model**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Ren_Tang_3_08_21.doc) | [Zewei\_phase II.pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Zewei_phase%20II.pptx)[Yuxin\_Tang\_Cox Regression Model .pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Yuxin_Tang_Cox%20Regression%20Model.pptx) |
| 1.2. | 1.2. | 3/15/21 | Yuhan MaYuying Pan | 1[. **Introduction to Bioequivalence and Generic Drugs**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Ma_Pan_3_15_21.doc)2. [**Introduction to Bayesian Statistics**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Ma_Pan_3_15_21.doc) | 1.[Yuhan\_Ma\_Bioequivalence.pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Yuhan_Ma_Bioequivalence.pptx)2. [Yuying Pan Slides.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Yuying%20Pan_Slides.pdf) |
| 1.2.1.2.3. | 1.2.1.2.3. | 3/22/213/27/213pm-6pm | Wenxiao ZhouLiquan Zhong1.Soumik Banerjee2.Yayu Li3.Zhichu Wang | 1. [Basic Text Mining and Sentiment Analysis](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Zhou_Zhong_3_22_21.doc) 2. [Bayesian Sample size determination for normal means](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Zhou_Zhong_3_22_21.doc)1.[**Multistage Minimum Risk Point Estimation (MRPE) Strategies with First Order and Second-Order Asymptotic Properties**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Banerjee_Li_Wang_3_27_21.doc) 2.[**Introduction to Machine Learning with R**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Banerjee_Li_Wang_3_27_21.doc) 3. [**Clinical Trial Data Processing Under CDISC Standard**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Banerjee_Li_Wang_3_27_21.doc)  | [Wenxiao Zhou Sentiment Analysis.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Wenxiao%20Zhou%20Sentiment%20Analysis.pdf)[Liquan Zhong Bayes Sample Size.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Liquan%20Zhong%20Bayesian%20Sample%20Size.pdf)[Banerjee\_Paper.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Banerjee_Paper.pdf); [Banerjee\_Paper1\_R\_code.R](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Banerjee_Paper1_R_code.R); [Banerjee\_Paper2\_R\_code.R](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Banerjee_Paper2_R_code.R);[Banerjee\_Paper3(1st\_Part)\_R\_code.R](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Banerjee_Paper3%28First_part%29_R_code.R)[Yayu\_Li\_Spring2021\_ML.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Yayu_Li_Spring2021_ML.pdf)[ZhichuWang\_Presentation.pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/ZhichuWang_Presentation.pptx) |  | 3/27/21333pm-6pm | 1.Soumik Banerjee2.Yayu Li3.Zhichu Wang  | 2.Machine Learning for Insurance Data  |  |
| 1.2. | 1.2. | 3/29/21 | 1.Sankhi Polgolla2.Ruofan Chen | 1. [**Forecasting Temperature in Madrid, Spain Using ARMA and LSTM Models**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Polgolla_Chen_3_29_21.doc)
2. [**SQL for Data Science**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Polgolla_Chen_3_29_21.doc)
 | NA[Ruofan Chen SQL.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Ruofan%20Chen%20SQL.pdf) |
| 1.2. | 1.2. | 4/5/21 | 1.Yingda Li2.Guangkun Bao | 1. [**Introduction to Cluster Analysis**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Li_Bao_4_5_21.doc)
2. [**Introduction to Polynomial Regression and Regression Splines**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Li_Bao_4_5_21.doc)
 | [Yingda Li-Cluster Analysis.pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Yingda%20Li-Cluster%20Analysis.pptx)[Yingda Li-Cluster Algorithm.R](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Yingda%20Li-Cluster%20Algorithm.R)NA |
|  |  | 4/12/21 | Spring Recess | NA |  |
| 1.2. | 1.2. | 4/19/21 | 1.Ching-Ying Huang2.Xinyan Liu | 1.[**Introduction to Instrumental Variable and its Application**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Huang_Liu_4_19_21.doc) 2.[**Data Engineering in Business Analysis**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Huang_Liu_4_19_21.doc) | [IV\_Ching-Ying\_Huang.pdf](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/IV_Ching-Ying_Huang.pdf)[Xinyan\_Liu5099pre.pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Xinyan_Liu5099pre.pptx) |
| 1.2. | 1.2. | 4/26/21 | 1.Ziqi Li2.Yakov Khariton | **1**[**. Introduction to Support Vector Machine**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Li_Khariton_4_26_21.doc)**2.** [**Minimum Risk Point Estimation (MRPE) Under Powered Absolute Error Loss (PAEL) Plus the Cost of Sampling**](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Abstract_Li_Khariton_4_26_21.doc) | [Ziqi\_svm.pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Ziqi_svm.pptx)[Yakov\_MRPE.pptx](http://merlot.stat.uconn.edu/~lynn/3494_5099_web/2021s/Yakov_MRPE.pptx) |