IME 780AN: Big Data Analytics in Engineering Spring 2024

Instructor:

WijunSi, PhD. Industrial, Systems, & Manufacturing Engineering Department:

Office Location 120R Engineering Building

Reference Tutorials for Coding

Another Book on Data Science Learn Rand Python in Paallet, Nailong Zhang (https://www.anotherbook.ordatacience.om/)

RforBegines Emmand Pards (https://oanrproject.org/doc/contrib/Pards idluts enpt)

Class Protocol

- Inexasal cellulus mut beturnd off You can ture your cellulus acadulator
- Youaestrongyrecommented to have your own textbook during every dass
- All naterial ardinations will be posted on the Bladboard
- Novebrufing entiting crayotherativity that divides your attention is allowed

Contact Policy

Althoughyounsystempt to reach melyphone, emil communication is always preferred Feel free to emil meany questions or convents following these guidelines

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Remembertosignyournane

Alvays enail neficing or WSU enail address Enail sert from pascral enail serves like Gnail, Yahoo, etc., have atendrey to endupin myspamfolder; and I never see them Youmay also enail nethrough Bladboard via the Enail My Instructor to Lalso of fer an Ask My Instructor for unon Bladboard via the lalows common questions to be seen and esported to publicly.

Youshald NOT contact me for tech support

Anytedrical problems involving your computer; or issues regarding file uploading or sharing should go through the OneStop You can contact them at 316978 3909 You can also fill out a request for help format their whole.

Hower, if you have a problem with access or uplording a sign or style you will also have to accompany this notification with the file in question, so I converify that it is completed by the due date / time

Grading Scale

WSU uses a+/- gadings ale for find gades and to calculate gade point averages. In this day, gades are assigned according to the following drat. (Other days snight assign gades differently. Besue to understand the different gading scales in all of your days.)

Exams and Course Project

- Thenidem(Exam1) vill cover Chapters 1-6 It is open book, open notes, and open slides
- The first earn (Exam2) will cover Chapters 7- End It is gren book gren notes, and grensides
- Cousepojetshouldinsche (crat lest patially insolve) knowledge from Chapter 7 End Otherwise, a 20% penalty will be applied

Missed Exams

Nonekeupezans will begiven

- Weatylmetwoeansintrisches, i.e., then id termand find eans
- Milesuetoplanforthecans accordingly-nonsleup can will be given

Measurable Student Learning Outcomes

Uponsuccessful completion of this course students will be able to ...

Knowbaic correpts definitions and keyproperties of big deta and analytics

Identifyddastrutues and ddan epositories

Knowstate of the practice in analytics

Identifyleyrdes for the newbig data cosystem

Identifydtaandytics lifecyde

Urchstandardimplement basic data analytic methods using R

Befaniliar vith the use of R

Conducterploatory data analysis with R

Implement statistical methods for evaluation with R

U Ugdestandakilimplement advanced a elytical theory and methods for big data are lytics with R&Python

Performulateing Implement association rules Conductuegession Performulasifi—digo Intellectual Property
CARE Team
Counciling and Prevention Services
Sturbert Health Services
Historic Health Services
Historic Health Services
Historic Health Services
Indusive Excellence and Respect for Diversity
First Generation Students
Names and Promore
Disability Services
Title IX
Concelled Carry Policy

Academic Honesty

Surkrisat WiditaState University accepted to uphold light admic standed WSU will not to be a lack of authorizing ity Students accepted light for knowing and following the Student Code of Conduct http://wds.widitact/inauti/d8 Columnard the Student Academic Horstypolicy http://wdimidbitatoir/inauti/d2 17/nm When the faculty number determines sanctions accepted a for violations of authorizing ity regards so of security the faculty number must report the infraction to the Office of Student Conduct and Community Standards If your end note information about the processor wish to preparate is inquiries it https://wdg.widitact/about/student conduct/aiphp? or an Violations of class constant admirable

Chetinginary form, whether informal examinations are deswritted. Plagiaism, using the work of others as your own without assigning proper ordit to the source. Miseppesentation of any work done in the class occurrent properties in forgery or alteration of any documents pertaining to academic records. Discutive behavior in accuse sign of order or "e" in in inpervive "i".