程序的战局的战争的最后程辅导

Literature Review and EDA

Due: March 17, 2023 by 11:59PM ET

Goal of the Assessm

This assignment cor has been accomplished regarding your question and to highlight the importance of your provides. The second of the first part is give you a head start with your final project. The second part of this assignment will provide you with an opportunity to conduct research in an area you're interested in. Conducting research will help you determine what has been accomplished regarding your question and to highlight the importance of your provides. The second part of the first part is give you a head start with your final project. The second part of this assignment will provide you with an opportunity to conduct research in an area you're interested in. Conducting research will help you determine what has been accomplished regarding your question and to highlight the importance of your provides.

The steps involved in completing this assignment encompass the general process of proposing a research question and will help to form the base for a strong introduction section in your final project report. Your task for this assignment is to prepare a video presentation that describes your data and research topic of interest. Completing this assignment will also give you the chance to think about the appropriateness of linear regression as a tool for answering your proposed research question using your those data Lastly thousand ment provides an appropriate provides and appropriate provides and appropriate provides and appropriate provides and appropriate provides an appropriate provides and appropriate provides appropriate provides an appropriate provides and appropriate provides appropriate provides appropriate provides an appropriate provides and appropriate provides appropriate provides appropriate provides and appropriate provides appropriate provides appropriate provides an appropriate provides app

QQ: 749389476

Assignment Instructions:

- 1. Decide on one for a few possible areas of interest that you may want to explore. These areas of interest can be anything that matters or is of interest to you. Some examples could be (but are not limited to) sports, medicine, public health, economics, video games, literature, etc. Pick something that you truly care about.
- 2. Next, think about possible research questions you may want to study regarding these areas of interest. What do you want to know about these areas of interest? For example, you want to make sure that your question can be answered/studied using linear regression models. Linear regression is not applicable for all datasets. So, you'll want to frame your question to be something related to modelling a relationship or predicting a continuous/numeric (at least not categorical) outcome based on this relationship. You'll also want to consider whether the variable of interest would allow the assumptions of linear regression to hold (see Module 3 content). See the workshop slides from March 7 for advice on framing your research question effectively.
- 3. After producing a research question, you will need to find some open-source data that you may use in your data analysis. You want to make sure that the data you find has both: 1) your response variable of interest (or has variables that could be used to create that variable), and 2) any other variables you may want to use as predictors. By looking for data online, you may realize you need to modify your research question slightly or pick another one if you can't quite find the data you're looking for. Alternatively, if you are having trouble finding data online but want to stick with this

research question, besule to mention the your needs. Step 4 can also help you decide what predictors might be needed for you to answer your question.

To help you see the first research question, some examples of open data sources are

- https https https://www.scensible.com/freely/accessible data from Toronto
- https https
- https://doi.org/10.1001/j.j.c.a/n1/en/type/data?MM=1 for data collected by Statisman, and organized the statisman and the statisman and
- https://sports-statistics.com/sports-data/ for various sports-related datasets
- https://data.oecd.org for data on various country-level variables
- https://www.bramadronc.s.fblins.fc.sany other data portals through the University of Toronto library
- 4. Once you've found your dataset and have cacided encyour research question. A literature search about to learn more about your research question. A literature search can be done by performing a search on the University of Toronto library website (https://onesearch.library.utoronto.ca/) or other databases that feature scholarly articles (see workshop slides from March) to learn about anything related to your area of interest and research question. Look for academic papers or published reports (i.e., preferably peer-reviewed work that has been published in reputable scholarly journals, not websites, blogs, proposarticles, etc.) that studied the same research question or something related, that describes you more about what you may need to consider in your analysis. In your literature review, include academic papers or reports to justify why your research puestion is important. Some other suggestions on performing a literature review include:
 - Focus on giving your reader a rough idea of how many academic papers have studied your research topic (or closely related concepts to your topic). This process of looking at the number of academic papers which describe a specific topic tells your audience how popular the area of research is and how much research has been done.
 - O Give examples from a few important papers about what was found or discovered to be important in relation to your question. This can be important variables, important results, surprising results, etc. The process of identifying and describing important papers tells your audience that you are aware of prior results and that you will be using these to plan your analysis.
 - Think about how your research question fits into the general area of research about your topic. For example, is your research question different from research questions in other studies? If so, how? A novel research question consists of either something that: 1) nobody has studied before, 2) studied using a different methodology/study design, or 3) studied in a different population. The process of examining if your research question is novel tells your audience that you see the importance of what you are researching and can frame it against what has already been done.

Attached here are some additional library resources which may be helpful for

performing a 程编序或w写代做 CS编程辅导

- https://guides.library.utoronto.ca/librarysearchtips/gettingstarted for more details about searching for articles related to your question
- o https ronto.ca/citing for details about why and how to
- phttps://www.ronto.ca/c.php?g=251103&p=1673071 for help gettir.
- 5. After complete wew, perform a short exploratory data analysis of your chosen data focus on identifying anything that you may need to consider moving forward. This includes identifying in your dataset:
 - a. potential skews,
 - b. statisty ediernat: cstutorcs
 - c. variables with high spread or observations that don't make sense, and
 - d. missing data

For section 5, you want to make sure you specifically mention the presence of any of the characteristics in 5a-d (or lack thereof) and what this means for the analysis you will eventually perform. For example, this may include describing how any of the characteristics in fadd mightual surproblems (brook) with the results of linear regression or generalizability. You will need to present numerical and/or graphical summaries describing the variables. Choose the options that highlight the features of the data that you want to be introduced by the purpose of the data that you will be working with.

Guidelines for Pickirla a Dataset //tutorcs.com

- Government data portals often contain many datasets about diverse topics if one dataset doesn't have all the variables you might want to consider, feel free to combine different datasets together
 - When combining datasets, make sure that each unit being measured is the same in both datasets (i.e., it's reasonable that both measurements are on the same unit)
- There are many data repositories online if you find a dataset there that is of interest to you, you MUST ensure that your question is different than what the dataset was originally used for.
- YOU MAY NOT use any dataset that is part of any R package or library, or that is contained in a textbook. If you're not sure, please ask the instructor or one of the TAs.
- You will need to make sure you have enough variables to be able to showcase the statistical methods that you will learn later in the course. Some topics the teaching team will require include model validation and model refinement so please ensure your dataset has at least 5 predictor variables.
- You will also need to make sure you have enough observations to be able to validate your model, which will involve splitting your dataset into two roughly equal parts.

Presentation Content Requirements:写代做 CS编程辅导

Your presentation should satisfy the following requirements:

- - a. Your why it's of interest to you), and why it's of interest to you), and
 - b. Sumr similar what you propose, and how you will incorporate this knowledge. Also, Sumr what you propose, and how you will incorporate this knowledge.
 - c. Details and summaries on your chosen dataset including the variables collected, the number of observations and anything that stands out in the data that worked to be addressed in the data further in your analysis.
 - d. A discussion about how and why a linear model fits your chosen data. This will allow you to answer your proposed research question, as well as whether you anticipate any problems that may arise in your analysis from EDALL and the second problems that may arise in your analysis from EDALL and the second problems that may be seen to be a second problems that may be seen to be seen
 - e. References for where you located the data, and your background research on your topic
- o The presentation should be presented for an audience that has some statistics background but stratinecessarily Bindia with the dea of our relearch question or linear regression models
- The presentation should contain figures and/or tables with proper labels/titles as appropriate in our Data description of Data description of Data Analysis section
- o The presentation should have references listed in proper APA format, and
- o The presentation itself should not contain R codes

Technical Requirements. Ps://tutorcs.com

Your submission to Quercus should include the following:

- 1. A video that presents your proposed research area and question, the dataset you have chosen, and the exploration of your dataset.
 - o The video should be no more than 5 minutes in length
 - You must display your U of T Student ID card (or other valid government-issued photo ID) at the beginning of your video The presenter's face must be visible throughout the video
 - The presentation should include an appropriate visual medium (e.g., slides) to display important information in an easily readable way.
 - The video should be hosted on a video-sharing service (e.g., MS Streams, MyMedia are supported by the university)
- 2. The proposed dataset you will use in your Final Project, as a csv or xlsx file, or if too large, as a link to cloud storage where the dataset is saved in csv or xlsx.
- 3. A copy of the slides/visual aids used in your presentation saved as a PDF document.
- 4. The R Markdown file containing the code used to produce your exploratory data analysis and tables/figures.

How to upload different components of this assignment: S编程辅导

• A link to your video should be added as a comment to your submission. This can be done via MS <u>Stream or MvMedia</u>.

Instri I to MS Stream: https://learn.microsoft.com/en-us/st

Instruction of the state of the

o Both with your UofT credentials.

O The R Markdown. The structure be added as a file upload on the assignment page on Quercus

 The slides used in presentation should be added as as a file upload on the assignment page on Quer Chat: CStutorcs

The dataset you chose to work with should be uploaded either as a file upload to the assignment page on Quercus OR as an attachment to a comment on your assignment symmetric participation. Attaching the file as a comment is best if the dataset is planted by the dataset is plant

Email: tutorcs@163.com

QQ: 749389476

https://tutorcs.com