Northeastern University
College *of* Professional Studies

ALY6070: R Shiny Application

Purpose of Assignment (WHY)

Communicating complex data information and storytelling with data visualizations using dashboards, scorecards, spatial data representations and use of annotation ... ct of data science. In various roles you must be able to evaluate, propose and implement appropriate visualizations f ... using key informational design concepts. In this assignment you will ... te a RShiny group dashboard.

Program Learning Outcomes

7: Design and deliver presentations, reports, and recommendations that effectively translate technical results/data solutions and are ... erent and persuasive to different audiences.

Course Learning Outcomes

... assignment is directly linked to the following key learning outcomes from the course syllabus:

- CLO1: Design dashboards that "tell a story" using a narrative flow
- CLO2: Use graphic design concepts that enhance accessibility and aesthetics
- CLLO3: Create effective data visualizations by understanding the context, choosing an appropriate visual, and eliminating clutter
- CO4: Create and present data visualizations that focus the attention of the stakeholder on key data insights
- CLO5: Using ethical strategies, identify and create visualizations that are not biased or misleading to the audience.

Assignment Description (WHAT)

R Shiny Application

... ed on your initial analysis, please develop visualizations that effectively communicate your story using data. To do this, you should create ... alizations that reflect the principles discussed in the course (e..g, storytelling, choosing effective visuals, gestalt principles, design principle ... . Next, you will review the dashboards created by each member of your group and select the best visualizations (as a group). Finally, you ... then incorporate these visualizations into a R Shiny dashboard. The dashboard should:

- Include as many different visualizations as needed. These should be of varying types
- Answer the research/business question and display the key information that the intended audience needs

● Be easy to navigate and visually appealing
● Reflect the data accurately and generally communicate the data appropriately
● Tells a story

ASE NOTE: the group needs to submit a[...] RShiny [...] shboards (one for each member of the group) AND the code used to create [...] hboards.

ric RShiny Group Dashboard

Criteria	Above Standards	[...] ndards	Approaching Standards	Below Standards
ata reparation 0%	The data set was cleaned, formatted, and prepared for analysis in an exemplary way.	[...] leaned, [...] epared for analysis in a satisfactory way.	Flaws are present in the way the data set was cleaned, formatted, and prepared for analysis.	Substantial flaws are presen[t] the way the data set was cle[aned,] formatted, and prepared fo[r] analysis, making the data se[t] useless for analysis
oncept larity 0%	Initial concepts were original, relevant, and clear. The analysis was developed beyond expectations throughout the design process.	There is strength and relevancy in the initial concepts, most of which were visible throughout the iteration process	The project presents a recognizable concept, but the presented analysis could have been taken much further in terms of depth, argument and clarity.	The project lacks conceptua[l] maturity - it does not have a [...] point or contains flawed or contradictory arguments.
nnovative lement 5%	The chosen visualization type presents an innovative solution beyond being appropriate for the selected data structure.	Selection of visualization type is appropriate for the selected data structure.	There are other visualization types that are better suited for the selected data structure.	Selection of visualization typ[e] not appropriate for the sele[cted] data structure.
isualization esign 5%	The visualization is not only legible due to appropriate choices of colors, placement of visual forms, labeling and	The visualization is legible due to appropriate choices of colors placement of visual forms, labeling and annotation.	Some good choices of colors, arrangement of visual forms, labeling and annotation, but	Visualization is confusing du[e] inappropriate and inconsiste[nt] use of colors, placement of v[isual] forms, or missing or confusi[ng] labeling and annotation.

annotation, but demonstrates a high level of design competency.		inconsistencies and ambiguities remain.	

程序代写代做 CS编程辅导