Project 2: Shiny - Rubric

Wrangled datasets (30 points)

Code	Excellent	Good	Satisfactory	Poor	Unacceptable
Functionality (20 points)	*18-20 points*: The code is completely functional and responds correctly producing the correct outputs.	*15-17 points*: The program is mostly functional and responds correctly producing the correct outputs in most cases. There are minor problems with the program implementation.	*10-14 points*: The code is marginally functional with numerous errors and/or incomplete code sections.	*5-9 points*: The code is minimally functional with significant portions of the code missing or incomplete.	*0-4 points*: The code is not functional, producing no correct outputs, or was not attempted.
Readability (5 points)	*5 points*: The code is extremely well organized, properly formatted, and easy to follow.	*4 points*: The code is reasonably easy to read. There are minor formatting problems.	*3 points*: The code is readable only with significant effort. There is little to no proper formatting.	*1-2 points*: The code is poorly organized and difficult to read. There is little to no consistency in formatting.	*0 points*: The code is readable only by the author or someone extremely knowledgeable with its layout and purpose.
Documentation (5 points)	*5 points*: The code is extremely well documented. Comments are completely consistent with the associated code. There are no spelling errors.	*4 points*: The code is reasonably well documented. There are minor formatting omissions that would have improved users understanding of code purpose. There may be limited spelling errors.	*3 points*: The code is marginally documented. There are significant portions of the code that are not documented or documented incorrectly. There are significant spelling errors that detract from the documentation.	*1-2 points*: The code is poorly documented. There are minimal comments and/or the comments are incorrect.	*0 points*: The code is not documented.

Shiny app code rubric (20 points; individual)

Code	Excellent	Good	Satisfactory	Poor	Unacceptable
Functionality (10 points)	*9-10 points*: The code is completely functional and responds correctly producing the correct outputs.	*7-8 points*: The program is mostly functional and responds correctly producing the correct outputs in most cases. There are minor problems with the program implementation.	*4-6 points*: The code is marginally functional with numerous errors and/or incomplete code sections.	*2-3 points*: The code is minimally functional with significant portions of the code missing or incomplete.	*0-1 point*: The code is not functional, producing no correct outputs, or was not attempted.
Readability (5 points)	*5 points*: The code is extremely well organized, properly formatted, and easy to follow.	*4 points*: The code is reasonably easy to read. There are minor formatting problems.	*3 points*: The code is readable only with significant effort. There is little to no proper formatting.	*1-2 points*: The code is poorly organized and difficult to read. There is little to no consistency in formatting.	*0 points*: The code is readable only by the author or someone extremely knowledgeable with its layout and purpose.
Documentation (5 points)	*5 points*: The code is extremely well documented. Comments are completely consistent with the associated code. There are no spelling errors.	*4 points*: The code is reasonably well documented. There are minor formatting omissions that would have improved users understanding of code purpose. There may be limited spelling errors.	*3 points*: The code is marginally documented. There are significant portions of the code that are not documented or documented incorrectly. There are significant spelling errors that detract from the documentation.	*1-2 points*: The code is poorly documented. There are minimal comments and/or the comments are incorrect.	*0 points*: The code is not documented.

Shiny app content rubric (30 points)

Content	Excellent	Good	Satisfactory	Poor	Unacceptable
Team					
Cohesion (10 points)	*9-10 points*: The overall application provides a smooth user experience and an aesthetically-pleasing interface. The app runs appropriately and the link provided to the published app is functional.	*7-8 points*: Some of the components of the application seem disjointed OR the interface is not welcoming (too basic or too overwhelming). The app runs appropriately and the link provided to the published app is functional.	*4-6 points*: Many of the components of the application seem disjointed OR the interface is not welcoming (too basic or too overwhelming). The app may not run and/or there may not be a link to the published app that works.	*2-3 points*: Many of the components of the application seem disjointed AND the interface is not welcoming (too basic or too overwhelming). The app may not run and/or there may not be a link to the published app that works.	*0-1 point*: The components of the application are disjointed AND the interface is not welcoming (too basic or too overwhelming). The app may not run and/or there may not be a link to the published app that works.
Individual					
App components (20 points)	*18-20 points*: Interactivity enhances the data visualization. All graphics used are well-suited for the type and scale of data they represent, and there are clear labels and legends. The purpose of the component(s) is clear.	*15-17 points*: Interactivity enhances the data visualization and All graphics used are well-suited for the type and scale of data they represent. Labeling and legends not completely clear. The purpose of the component(s) is clear.	*10-14 points*: Interactivity neither enhances nor detracts from the data visualization. Most graphics used are well-suited for the type and scale of data they represent. Labeling and legends are not completely clear, or other minor issues. The purpose of the component(s) is not completely clear.	*5-9 points*: Most graphics used are well-suited for the type and scale of data they represent. Labeling and legends are unclear or not provided, or other serious issues. The purpose of the component(s) is unclear.	*0-4 points*: No interactivity included.

Presentation rubric (30 points)

Presentation	Excellent	Good	Satisfactory	Poor	Unacceptable
Team					
Organization (10 points)	*9-10 points*: Organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) is clearly and consistently observable and is skillful, and makes the content of the presentation cohesive.	*8 points*: Organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) is clearly and consistently observable within the presentation.	*7 points*: Organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) is intermittently observable within the presentation.	*3-6 points*: Organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) is barely detectable within the presentation.	*0-2 points*: Organizational pattern (specific introduction and conclusion, sequenced material within the body, and transitions) is not observable within the presentation.
Content (10 points)	*9-10 points*: Central message is compelling (precisely stated, appropriately repeated, memorable, and strongly supported).	*8 points*: Central message is clear and consistent with supporting material.	*7 points*: Central message is basically understandable but is not memorable and/or not supported.	*3-6 points*: Central message can be deduced, but is not explicitly stated in the presentation.	*0-2 points*: Central message is unclear from the presentation.
Individual					
Language and delivery (10 points)	*9-10 points*: Delivery techniques (posture, gesture, eye contact, and vocal expressiveness) make the presentation compelling, and speaker appears polished and confident. Language in presentation is appropriate to audience.	*8 points*: Delivery techniques (posture, gesture, eye contact, and vocal expressiveness) make the presentation interesting, and speaker appears comfortable. Language in presentation is appropriate to audience.	*7 points*: Delivery techniques (posture, gesture, eye contact, and vocal expressiveness) make the presentation understandable, and speaker appears tentative. Language in presentation is appropriate to audience.	*3-6 points*: Delivery techniques (posture, gesture, eye contact, and vocal expressiveness) detract from the audience's ability to understand the presentation, and speaker appears uncomfortable. Language in presentation is appropriate to audience.	*0-2 points*: Delivery techniques (posture, gesture, eye contact, and vocal expressiveness) detract from the audience's ability to understand the presentation, and speaker appears uncomfortable. Language in presentation is not appropriate to audience.

Executive summary rubric (20 points)

Summary	Excellent	Good	Satisfactory	Poor	Unacceptable
Content (10 points)	*9-10 points*: Summary content enables a reader to understand key components of the app and underlying question at hand, including results. Reader would understand and be able to use the app even if they missed the presentation about it.	*8 points*: Summary content is useful for a reader but either a key app component, the underlying question, or results are unclear. Reader would understand and be able to use the app even if they missed the presentation about it.	*7 points*: Summary content is somewhat useful for a reader but at least 2 of the following are unclear: a key app component, the underlying question, or results. Reader would understand and be able to use the app even if they missed the presentation about it.	*3-6 points*: Summary content is potentially useful for a reader but leaves serious questions about the app, question at hand, and results. Reader may not be able to use the app.	*0-2 points*: Summary content does not assist a reader in understanding the app, underlying question, or results. Reader would likely not be able to use the app.
Organization (5 points)	*5 points*: The summary content is well-organized. Readers may follow along easily. Thoughts are presented clearly, in logical order, and succinctly (2 page limit).	*4 points*: The summary content is fairly well-organized. Readers may follow along but could use more guidance. Thoughts are presented clearly, in logical order, and succinctly (2 page limit).	*3 points*: The summary content is fairly well-organized. Readers may follow along but could use more guidance. Thoughts may be slightly jumbled (not in logical order) but are still succinct (2 page limit).	*2 points*: There are challenges with organization. It may be difficult for readers to follow along. Thoughts may be jumbled (not in logical order) and the result not succinct (> 2 page limit).	*0-1 point*: There are challenges with organization. Readers cannot follow along. Thoughts are jumbled and the result is not succinct (> 2 page limit).
Image(s) (5 points)	*5 points*: The image of the app demonstrates its functionality and benefits a reader by showcasing various features. The image fits well within the summary pages in terms of size and is easily readable.	*4 points*: The image of the app demonstrates its functionality and benefits a reader by showcasing various features. The image may have minor sizing issues or readability challenges that should be addressed.	*3 points*: The image of the app could better demonstrate app functionality and features. The image fits well within the summary pages in terms of size and is easily readable.	*2 points*: The image of the app could better demonstrate app functionality and features. The image may have minor sizing issues or readability challenges that should be addressed.	*0-1 point*: There is no image, or the image does not compile appropriately into the pdf, or is not relevant to demonstrating the app functionality/features.