Pinned by Alexander Booth - Instructor (INFJ)



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Deliverables:

1. Slide Deck (PDF/PPT)
2. Analytical Write-Up (PDF)
3. Jupyter Notebooks (live demo of regression)
4. Data sources
5. Project Proposal

Technical Deliverables:

1. MINIMUM of 6-8 Quality Visualizations
2. 2+ Research questions and answers - think of this as two chapters of your data story
3. 1 OLS Regression Model (with supporting charts - predicted vs actual, correlation heatmap, scatter plots with line of best fit, etc). Preferably live demo
4. 1+ T-Test/Chi^2 test/ANOVA

Optional Deliverable:

1. Use an API for supplemental data sources! (OMDB, Census, etc)
2. Use Google Maps for a cool interactive viz!!!

Project Proposal:

1. List of data sources
2. Inspiration! Other analyses done
3. Possible Research Questions (chapters of the data story)
4. Breakdown of roles

Viz Examples:

1. Pairplot
2. Swarmplot
3. Boxplot
4. Violinplot
5. Distplot
6. Histograms
7. Line Charts
8. Bar plots
9. Scatter  Plots
10. Pie Charts
11. Maps

Project Ideas:

1. Finance
2. Stocks
3. Loans
4. Crypto
5. Healthcare
6. Covid
7. Mental Health
8. Census
9. Wealth inequality
10. Unemployment
11. Median age, where do people live
12. Crime
13. Movies/TV
14. Sports - baseball, basketball, football, hockey, college
15. Olympics
16. Election data
17. Weather
18. Uber/Lyft
19. Animals/Pets
20. GDP
21. World Happiness Scores (this is a popular one for Project 1)
22. Hotels, Google Reviews

Don't forget the ART of data science - come up with colors, etc. Also, don't forget your CALL TO ACTION!!! And finally, have fun!!! Telling a data story is awesome, and I am excited for you to showcase your skills!

Project Proposal:

1. List of data sources

* Airbnb Listings across the world.

1. Inspiration! Other analyses done
2. Possible Research Questions (chapters of the data story)
3. Breakdown of roles