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### Weekly Assignment 14

#1: HTML and CSS are two very useful tools that one can use when constructing a website from the ground up. I would use these tools to showcase their endless abilities to a TV show's PR and marketing team. I would construct a website with different fonts, headers, colors, backgrounds, formatting, nav bars, and so much more. Ultimately I would use HTML and CSS to help me construct an eye-catching website for the TV show that would help bring in current and new fans of the show. The website would have merchandise, past TV shows that fans can watch, information on the show, and a blog area where fans can interact with one another. Utilizing HTML and CSS to construct a website would be super useful for a PR and marketing team because it will allow them to construct their perfect website. It would also be a great addition to the show to gain extra money with the merchandising option. It is also useful to them because it will enable them to create fun, intriguing, eye catching websites for the TV show. The website that they can create using HTML and CSS features will be available for the public to view and draw attention to their show. On the website there are several different elements that can be created from HTML and CSS. Those elements being cool fonts, backgrounds, tables, lists, emojis, borders, etc. But HTML and CSS can also be used to properly format the entire website. The ability to house classes within the document will also allow quicker access to certain elements of which anyone wants to reuse to make the website eye-catching. The website is appropriate for the PR and marketing teams because it is right up their alley. The website is something that can draw attention, bring in more money for the show, be a form of entertainment/marketing for the show, and something that they can add, change, and manipulate to their liking.

#2: RevealJs could be used to present very beautiful and eye-catching presentations to TV executives and producers. I would create a presentation that highlights very important statistics that the TV executives and producers would need to see. The presentation would house visualizations from jupyter notebooks to help me showcase my findings. On top of the visualizations, the presentation would have smooth transitions from slide to slide, images, gifs, lists, proper headers, eye-catching backgrounds, fonts, and colors. This would be a beautiful, yet professional presentation for the TV executives and producers. The visualizations would showcase the data that I would have found via jupyter notebooks. The topics that would be in the presentation range from rating information, character likeability, favorite episodes that aired, and

more. The presentation would be an effective way to present information to individuals who cannot read data right off of a file. It also makes things more professional and easier to look at if it is in the form of a presentation. Lastly, presentations allow for individuals to pick up information easier. Teachers utilize presentations to teach their students information effectively, in this case the presentation would be able to teach/effectively communicate findings/information to TV executives and producers that way they are able to grasp and understand what is being informed.

#3: Jupyter notebooks could be used to showcase beautiful, yet very important data to the TV shows die hard fanbase. Nowadays even the public are very interested in data, especially about their favorite TV show. There have been multiple massive data dives into famous TV shows such as the Game of Thrones show. Utilizing Jupyter notebooks to construct a massive story with data to inform the public about strange facts is something that would be really fun to do. I would use Jupyter notebooks to find information on how long all characters appear on screen, where scenes take place, how many characters are on screen at a time, how long characters appear on screen for each season, character relationships, etc. I would do this by reading in a file, looking over the data to find interesting details that I could use, form pivot tables, merge data together, create histograms, bar graphs, line graphs, and exotic graphs to display the data, and the follow up with what I found using markdown cells. The notebook would flow and be easy to follow/read for any user. For the visualizations I would mostly use matplotlib and altair. Jupyter notebooks would allow me to deep dive into the data about the TV show, find interesting information, and display it to people who do not read data for a living in an easy to understand manor. Jupyter notebooks would also allow individuals who do play with data for fun or for a living to interact and build their own data stories with the data that I use. Jupyter notebooks would be appropriate for this audience because it would allow individuals who are familiar with coding and data to admire, play with, and interact with my data and notebook. It would also allow those who are not familiar with data and Jupyter notebooks to look at sweet visualizations that display information about their favorite TV show! Then obviously it would be a great way to inform those who are interested in the show about weird/cool facts that you would not be able to find elsewhere. You can also utilize the notebook data in future RevealJs presentations or even use the data in Vega.