Warmup 1: Markdown Syntax

Stat 133, Spring 2021

Introduction

The purpose of this assignment is to work with an R Markdown (`Rmd`) file and practice writing content using markdown syntax, and a bit of math equations with latex syntax. Because you will be using R markdown files, aka `Rmd` files, throughout the rest of the course, the sooner you get familiar with this syntax, the better.

General Instructions

- Write your narrative and code in an `Rmd` (R markdown) file.
- Name this file as `warmup01-first-last.Rmd`, where `first` and `last` are your first and last names (e.g. `warmup01-gaston-sanchez.Rmd`).
- Submit your Rmd and html files to bCourses.

Here are some useful resources that you can look at to complete this assignment:

- Markdown tutorial by CommonMark: http://commonmark.org/help/tutorial/
- Another Markdown tutorial: http://www.markdowntutorial.com/
- RStudio has a very comprehensive R Markdown tutorial: http://rmarkdown.rstudio.com/
- Mastering Markdown: https://guides.github.com/features/mastering-markdown/
- Markdown reference: http://commonmark.org/help/
- Adam Pritchard's Markdown Cheatsheet: https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet
- RStudio cheat sheet: https://www.rstudio.com/wp-content/uploads/2016/01/rstudio-IDE-cheatsheet.pdf

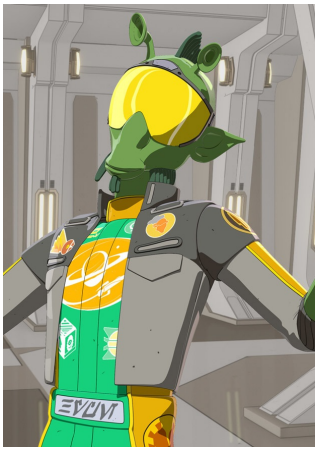
1) Star Wars

Visit *Star Wars Wiki* (i.e. wookieepedia) (https://starwars.wikia.com/) and choose one of the characters (e.g. Hype Fazon).

Use **markdown syntax only** to write the following about your chosen character (do NOT use any other type of syntax: e.g. html)

- Use a heading for the name of the chosen character.
- Include a markdown hyperlink of the character: e.g. https://starwars.fandom.com/wiki/Hype_Fazon
- Use an image hyperlink to include an image of the chosen character.
- Include one of the character's quote using a markdown blockquote.
- Use a markdown table with two columns to include things like species, gender, eye color, etc.

Here's an example of some of the requested markdown elements, based on the character Hype Fazon.



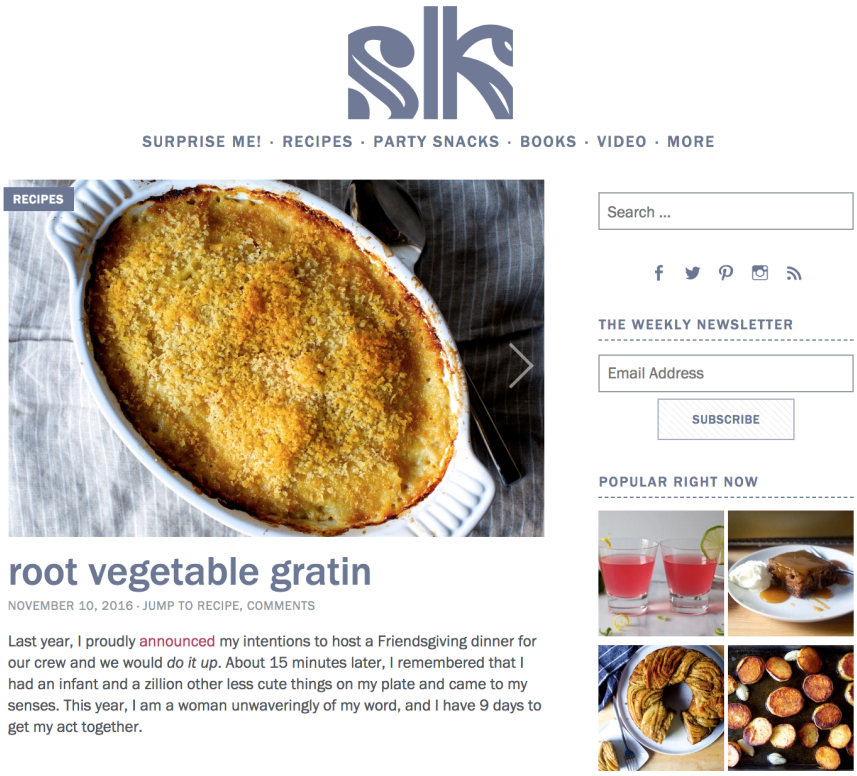
A famous quote by Fazon Hype:

> "Believe the hype."

Description	Value
Species	Rodian
Gender	Male
Eye Color	Blue
Skin Color	Green

2) Cooking Recipe

Visit *Smitten Kitchen* (https://smittenkitchen.com) and choose one recipe (e.g. root vegetable gratin).



- Use different headers (e.g. `#`, `##`, `###`) to denote the name of the chosen meal, the list of ingredients, the cooking steps, etc.
- Include a hyperlink of the recipe.
- Use an **unordered** list (of bullets) to list the ingredients.
- Use another unordered list to list any "special" kitchen tools that are needed.
- Write paragraphs to describe the steps of the recipe. Also, make sure to use markdown syntax to format text in italics, and bold when appropriate.
- Include an image to show the appearance of the meal.
- Include a footnote. See the markdown-cheatsheet (page 2) to learn how to insert footnotes.

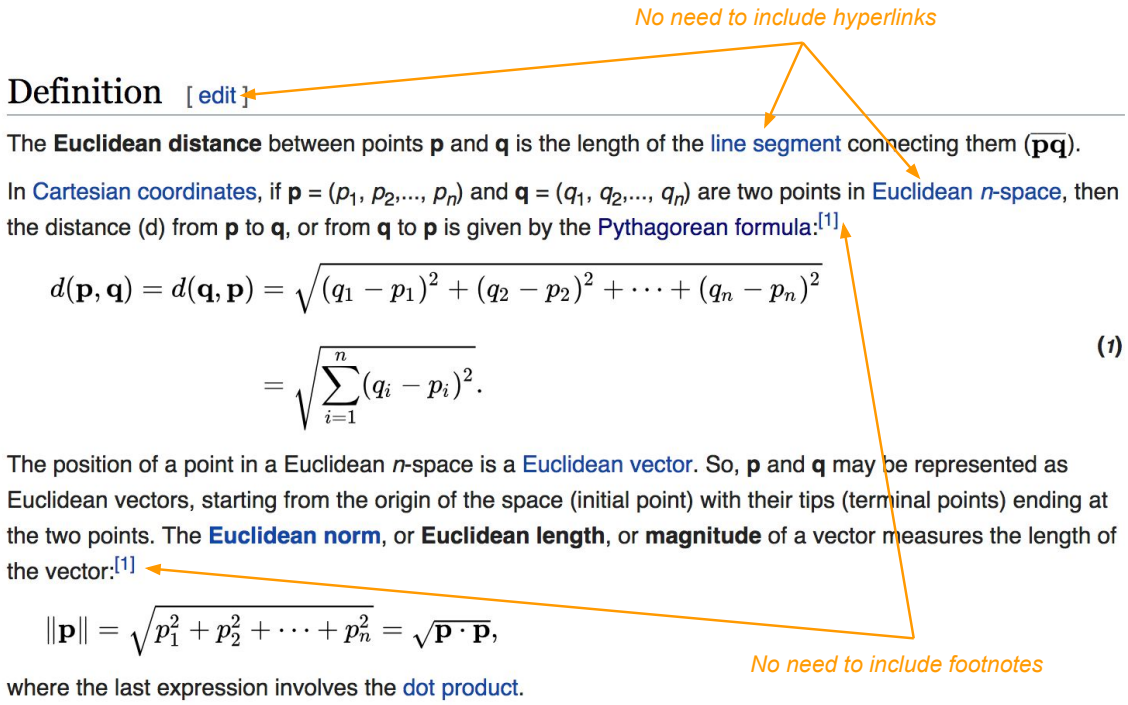
More instructions in the next page

3) Euclidean Distance

Visit the wikipedia page for the Euclidean Distance:

https://en.wikipedia.org/wiki/Euclidean_distance

Use markdown syntax, as well as latex syntax for math symbols, to replicate the text of the **Definition** (see screenshot below):



To write all the above equations you will have to use latex syntax. Here are a couple of resources about writing math symbols with Latex notation:

- https://www.sharelatex.com/learn/Mathematical_expressions
- https://en.wikibooks.org/wiki/LaTeX/Mathematics

If you feel the euclidean distance is not enough, feel free to find other math equations and formulas to play with.