Warmup 01: Markdown Syntax

Stat 133, Spring 2019

Introduction

The purpose of this assignment is to work with an R Markdown (`Rmd`) file and practice writing content using markdown 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

---

Requirements

Here's a summary of the topics you have to write about. You don't have to write any R code (yet).

1. Star Wars
2. Cooking Recipe
3. Euclidean Distance

Make sure to include the following elements (using markdown syntax)

- Various types of headings
- Text in italics

- Text in bold
- Hyperlinks
- Links of images
- A table
- Unordered list
- Ordered list
- Blockquote
- Breaklines
- Some math equations (using latex syntax)

Star Wars

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

Use markdown syntax to write the following about the character you chose:

- Include one of the character's quote using a markdown blockquote.
- Include an image of the character.
- Use a markdown table with two columns to include things like species, gender, eye color, etc.

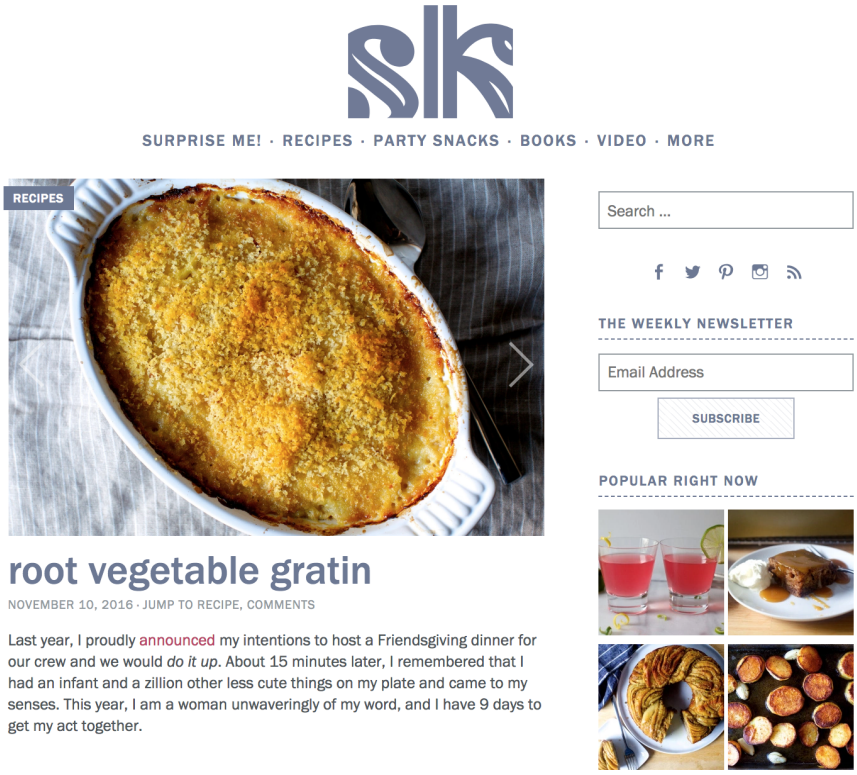
A famous quote by Fazon Hype:

> "Believe the hype."

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

Cooking Recipe

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



Write about the recipe using Markdown syntax:

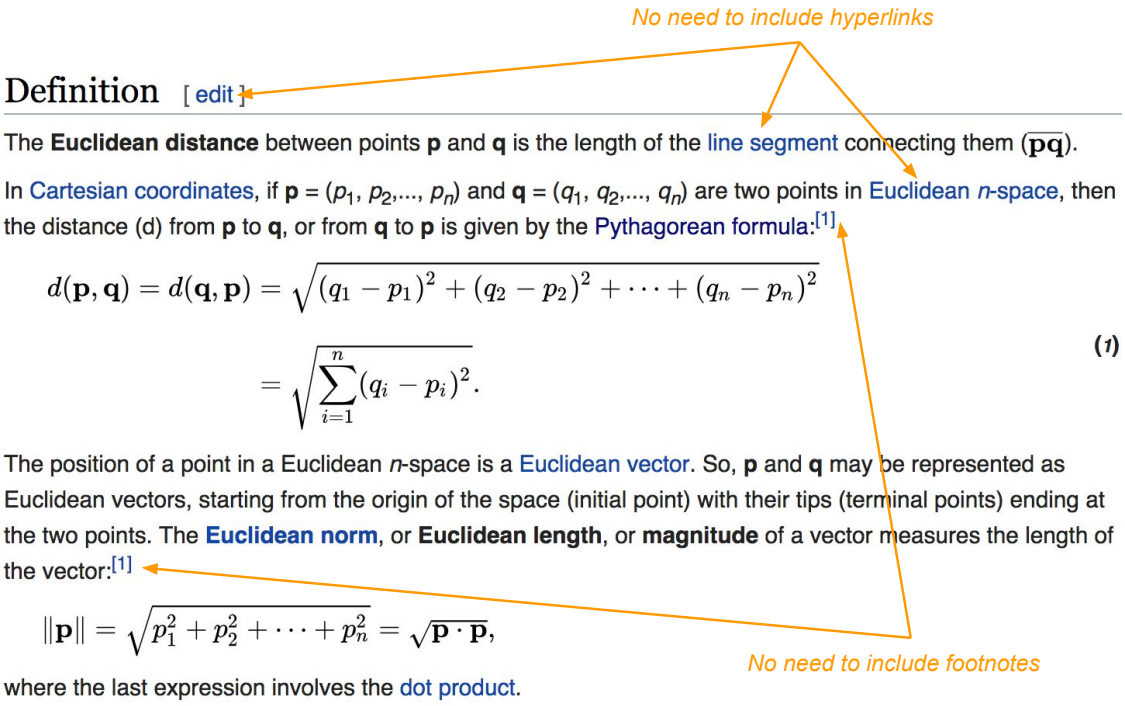
- Use an **unordered** list (of bullets) to list the ingredients.
- Use another unordered list to list any "special" kitchen tools that are needed.
- Describe the steps of the recipe.
- Include an image to show the appearance of the meal.
- Is there a special season of the year for it?
- Are there variations of the recipe? Using other ingredients?

Euclidean Distance

Visit the wikipedia page for the Euclidean Distance:

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

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.