

Research Slideshow

In this assignment, you will use Big Data to research a topic. You will create a slideshow using doodlepad. The slideshow will have 3 visualizations that are also created with doodlepad. A visualization can include a chart, an animation, or an image. You will have a 5 minute presentation.

Your slideshow will contain 6 slides.

1. Slideshow title slide with your topic and name
2. Introduction of your topic
- 3-5. Visualization 1 with explanation
6. You conclusion about the issue

A person should be able to follow your slideshow with or without a presentation.

You will also answer the following questions below. These are the questions you will need to answer for your APCS: Principles Create Task. These questions will be marked, but not counted towards your final grade (you need to practice). Rubric for these questions found on Moodle.

2b. Describe the incremental and iterative development process of your program, focusing on two distinct points in that process. Describe the difficulties and/ or opportunities you encountered and how they were resolved or incorporated. In your description clearly indicate whether the development described was collaborative or independent. At least one of these points must refer to independent program development. (Must not exceed 200 words)

2c. Capture and paste a program code segment that implements an algorithm (marked with an oval in section 3 below) and that is fundamental for your program to achieve its intended purpose. This code segment must be an algorithm you developed individually on your own, must include two or more algorithms, and must integrate mathematical and/or logical concepts. Describe how each algorithm within your selected algorithm functions independently, as well as in combination with others, to form a new algorithm that helps to achieve the intended purpose of the program. (Must not exceed 200 words)

2d. Capture and paste a program code segment that contains an abstraction you developed individually on your own (marked with a rectangle in section 3 below). This abstraction must integrate mathematical and logical concepts. Explain how your abstraction helped manage the complexity of your program. (Must not exceed 200 words)

Presentation and Due Date: November 30, 2018

Marking Scheme:

Organization	Visual 1	Visual 2	Visual 3	Data Sources	Presentation	Code
- order of slideshow makes sense - each slide is clear - 2 marks	- good design - good analysis - good story - 3 marks	- good design - good analysis - good story - 3 marks	- good design - good analysis - good story - 3 marks	- original - comprehensive - current - reliable - 4 marks	- emotional impact - minimalism - story telling - 3 marks	- proper documentation and naming - organized - 2 marks

Further Readings:

<https://info.datalabsagency.com/blog/data-visualization-news/what-makes-for-great-data-visualization>
<https://blog.hubspot.com/marketing/find-good-data>
<https://www.inc.com/geoffrey-james/3-ways-to-make-a-good-presentation-great.html>
<https://blog.codinghorror.com/code-tells-you-how-comments-tell-you-why/>
<https://javarevisited.blogspot.com/2011/08/code-comments-java-best-practices.html>