

CSP 554—Big Data Technologies

Assignment #1 (Modules 01a & 01b, 12 points)

Q3)(2 points) Submit very brief answers (or bullet points) to the following questions:

- **What location or time zone are you in when you attend the course?**
 - Location: Chicago, Illinois.
 - Time Zone: CDT
- **Describe any prior experience you might have with use of public cloud, data mining, machine learning, statistics, data science and big data.**
 - I have previously worked in Accenture on web Development where I have used Azure SQL.
- **Share any big data interests and personal learning goals for the course.**
 - My personal goal is to become an ML Engineer I want to learn how the large data are handled and valuable insights are gathered and used to solve the real world problems
- **Indicate if there are additional topics in the scope of the course of special interest to you**
 - I am relatively new to Big data as of now the syllabus which was published is good.
- **Do you have any anticipated personal issues such as expected absences or other necessary accommodations with course impact? (Of course, these will be held in strictest confidence.)**
 - No.

Q5)(5 points) Answer each of the following questions about the article in just one to three sentences each:

- **What was the problem with the Google flu detection algorithm?**
 - It was predicting double the cases than what the CDC is predicting.
- **What is big data hubris?**
 - To think Big Data is substitute to traditional data collection and analysis rather than supplement is called Big Data hubris.
- **What approach could have been used to improve the Google flu detection algorithm?**
 - By combining Google flu detection Algorithm, lagged CDC data and dynamically recalibrating GFT, we can improve on the performance of Google flu detection
- **What is “algorithm dynamics?”**
 - Algorithm dynamics are the changes made by engineers to improve the commercial service and by consumers in using that service

- **What aspect of algorithm dynamics impacted the Google flu detection algorithm?**
 - The important change is blue team dynamics—where the algorithm producing the data has been modified by the service provider in accordance with their business model. Google stated it has modified its search results to provide suggested additional search terms which improved efficiency of Google flu detection

Q6

Bucket Creation:

The screenshot shows the AWS Management Console for Amazon S3. The left sidebar contains navigation links: Amazon S3, Buckets, Batch operations, Access analyzer for S3, Block public access (account settings), and Feature spotlight. The main content area is titled 'S3 buckets' and includes a search bar, a dropdown for 'All access types', and buttons for '+ Create bucket', 'Edit public access settings', 'Empty', and 'Delete'. A summary shows '1 Buckets' and '1 Regions'. Below is a table of buckets:

<input type="checkbox"/>	Bucket name	Access	Region	Date created
<input type="checkbox"/>	a20458999-csp554	Bucket and objects not public	US East (N. Virginia)	Sep 1, 2020 7:10:45 PM GMT-0500

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Object Upload:

aws Services Resource Groups

Amazon S3 > a20458999-csp554

a20458999-csp554

Overview Properties Permissions Management Access points

Q Type a prefix and press Enter to search. Press ESC to clear.

Upload Create folder Download Actions

US East (N. Virginia)

Name	Last modified	Size	Storage class
CSP 554 Assignment 1.docx	Sep 1, 2020 7:15:06 PM GMT-0500	22.2 KB	Standard

Viewing 1 to 1

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Object Deletion:

aws Services Resource Groups


a20458999-csp554

Overview Properties Permissions Management Access points

Upload Create folder Download Actions


US East (N. Virginia)

This bucket is empty. Upload new objects to get started.




Upload an object

Buckets are globally unique containers for everything that you store in Amazon S3.



Set object properties

After you create a bucket, you can upload your objects (for example, your photo or video files).



Set object permissions

By default, the permissions on an object are private, but you can set up access control policies to grant permissions to others.

Operations 0 In progress 1 Success 0 Error

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Bucket Deletion:

