



Data Engineering Zoomcamp - Homework #1

The form for submitting the homework for Data Engineering Zoomcamp week #1.

In this homework, we'll set up the environment and explore the data.

The homework: https://github.com/DataTalksClub/data-engineering-zoomcamp/blob/main/week_1_basics_n_setup/homework.md

 **qamarudeen.muhammad2@gmail.com** (not shared)
[Switch accounts](#)

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***Required**

Your email (the same you used for signing up) *

Make sure it's the same for all the forms and double check that there are typos here (it's very difficult to fix them afterwards)

qamarudeen.m@gmail.com

Question 1: gcloud version *

Install Google Cloud SDK. What's the version you have? (To get the version, run `gcloud --version`)

Google Cloud SDK 365.0.1

Question 2: terraform apply *

Now install terraform and go to the terraform directory
(`week_1_basics_n_setup/1_terraform_gcp/terraform`)

After that, run

- `terraform init`
- `terraform plan`
- `terraform apply`

Apply the plan and copy the output (after running `apply`) to the form

google_bigquery_dataset.dataset: Creating...

google_storage_bucket.data-lake-bucket: Creating...

google_storage_bucket.data-lake-bucket: Creation complete after 3s [id=dtc_data_lake_dtc-de-course-2022-339213]

google_bigquery_dataset.dataset: Creation complete after 4s [id=projects/dtc-de-course-2022-339213/datasets/trips_data_all]

Question 3: Count records *

How many taxi trips were there on January 15?

- 0
- 53024
- 534
- 53027

Question 4: Largest tip for each day *

On which day it was the largest tip in January? (note: it's not a typo, it's "tip", not "trip")

- 2021-01-20
- 2021-01-04
- 2021-01-01
- 2021-01-21

Question 5: Most popular destination *

What was the most popular destination for passengers picked up in central park on January 14? Enter the zone name (not id). If the zone name is unknown (missing), write "Unknown"

- Upper East Side North
- Unknown
- Upper East Side South

Question 6: Most expensive route *

What's the pickup-dropoff pair with the largest average price for a ride (calculated based on total_amount)? Enter two zone names separated by a slashFor example:"Jamaica Bay / Clinton East"If any of the zone names are unknown (missing), write "Unknown". For example, "Unknown / Clinton East".

- Union Sq/Canarsie
- Borough Park/NV
- Alphabet City/Unknown
- Central Park/Upper East Side North

Your code (link to GitHub or other public code-hosting website). Remember: no code - no scores! *



This is a required question

Learning in public links

Links to social media posts where you share your progress with others (LinkedIn, Twitter, etc). Use #dezoomcamp tag. The scores for this part will be capped at 7 point.

How much time (in hours) did you spend on watching lectures and reading?

How much time (in hours) did you spend on homework?

Did you have any problems? Do you have any comments or feedback?

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