

## Extra credits: DBT on AWS

DS5111Su24

Naomi Ohashi (fju4ek)

### DBT DEBUG

```
(env) ubuntu@ip-172-31-6-98:~$ dbt debug
03:21:25 Running with dbt=1.8.5
03:21:25 dbt version: 1.8.5
03:21:25 python version: 3.12.3
03:21:25 python path: /home/ubuntu/env/bin/python3
03:21:25 os info: Linux-6.8.0-1013-aws-x86_64-with-glibc2.39
03:21:25 Using profiles dir at /home/ubuntu/.dbt
03:21:25 Using profiles.yml file at /home/ubuntu/.dbt/profiles.yml
03:21:25 Using dbt_project.yml file at /home/ubuntu/dbt_project.yml
03:21:25 adapter type: snowflake
03:21:25 adapter version: 1.8.3
03:21:25 Configuration:
03:21:25   profiles.yml file [OK found and valid]
03:21:25   dbt_project.yml file [OK found and valid]
03:21:25 Required dependencies:
03:21:25   - git [OK found]
```


```
03:21:25 Connection:
03:21:25   account: rja95216
03:21:25   user: fju4ek@virginia.edu
03:21:25   database: DS5111_SU24
03:21:25   warehouse: COMPUTE_WH
03:21:25   role: DS5111_DBT
03:21:25   schema: FJU4EK
03:21:25   authenticator: None
03:21:25   oauth_client_id: None
03:21:25   query_tag: None
03:21:25   client_session_keep_alive: False
03:21:25   host: None
03:21:25   port: None
03:21:25   proxy_host: None
03:21:25   proxy_port: None
03:21:25   protocol: None
03:21:25   connect_retries: 1
03:21:25   connect_timeout: None
03:21:25   retry_on_database_errors: False
03:21:25   retry_all: False
03:21:25   insecure_mode: False
03:21:25   reuse_connections: None
03:21:25 Registered adapter: snowflake=1.8.3
03:21:26 Connection test: [OK connection ok]
```

## DBT SEED

```
(env) ubuntu@ip-172-31-6-98:~/db_lab$ dbt seed
03:23:47 Running with dbt=1.8.5
03:23:47 Registered adapter: snowflake=1.8.3
03:23:48 Found 3 models, 7 seeds, 4 data tests, 448 macros
03:23:48
03:23:49 Concurrency: 1 threads (target='dev')
03:23:49
03:23:49 1 of 7 START seed file FJU4EK.assigned_instructors_erd ..... [RUN]
03:23:51 1 of 7 OK loaded seed file FJU4EK.assigned_instructors_erd ..... [INSERT 52 in 2.33s]
03:23:51 2 of 7 START seed file FJU4EK.courses_erd ..... [RUN]
03:23:53 2 of 7 OK loaded seed file FJU4EK.courses_erd ..... [INSERT 17 in 1.88s]
03:23:53 3 of 7 START seed file FJU4EK.courses_offered_erd ..... [RUN]
03:23:55 3 of 7 OK loaded seed file FJU4EK.courses_offered_erd ..... [INSERT 45 in 1.71s]
03:23:55 4 of 7 START seed file FJU4EK.current_learning_objectives_raw_data ..... [RUN]
03:23:56 4 of 7 ERROR loading seed file FJU4EK.current_learning_objectives_raw_data ..... [ERROR in 1.12s]
03:23:56 5 of 7 START seed file FJU4EK.instructors_erd ..... [RUN]
03:23:58 5 of 7 OK loaded seed file FJU4EK.instructors_erd ..... [INSERT 26 in 2.05s]
03:23:58 6 of 7 START seed file FJU4EK.learning_outcome_erd ..... [RUN]
03:24:01 6 of 7 OK loaded seed file FJU4EK.learning_outcome_erd ..... [INSERT 230 in 2.61s]
03:24:01 7 of 7 START seed file FJU4EK.terms_erd ..... [RUN]
03:24:03 7 of 7 OK loaded seed file FJU4EK.terms_erd ..... [INSERT 3 in 1.88s]
03:24:03
03:24:03 Finished running 7 seeds in 0 hours 0 minutes and 15.00 seconds (15.00s).
03:24:03
03:24:03 Completed with 1 error and 0 warnings:
03:24:03
03:24:03 Database Error in seed current_learning_objectives_raw_data (seeds/current_learning_objectives_raw_data.csv)
001003 (42000): SQL compilation error:
syntax error line 1 at position 78 unexpected 'ASSIGNMENTS'.
03:24:03
03:24:03 Done. PASS=6 WARN=0 ERROR=1 SKIP=0 TOTAL=7
```

## DBT BUILD

```
(env) ubuntu@ip-172-31-6-98:~/db_lab$ dbt build
03:24:14 Running with dbt=1.8.5
03:24:15 Registered adapter: snowflake=1.8.3
03:24:15 Found 3 models, 7 seeds, 4 data tests, 448 macros
03:24:15
03:24:17 Concurrency: 1 threads (target='dev')
03:24:17
03:24:17 1 of 14 START sql view model FJU4EK.active_courses ..... [RUN]
03:24:17 1 of 14 ERROR creating sql view model FJU4EK.active_courses ..... [ERROR in 0.55s]
03:24:17 2 of 14 START sql table model FJU4EK.my_first_dbt_model ..... [RUN]
03:24:18 2 of 14 OK created sql table model FJU4EK.my_first_dbt_model ..... [SUCCESS 1 in 1.07s]
03:24:18 3 of 14 START seed file FJU4EK.assigned_instructors_erd ..... [RUN]
03:24:20 3 of 14 OK loaded seed file FJU4EK.assigned_instructors_erd ..... [INSERT 52 in 1.88s]
03:24:20 4 of 14 START seed file FJU4EK.courses_erd ..... [RUN]
03:24:22 4 of 14 OK loaded seed file FJU4EK.courses_erd ..... [INSERT 17 in 1.77s]
03:24:22 5 of 14 START seed file FJU4EK.courses_offered_erd ..... [RUN]
03:24:24 5 of 14 OK loaded seed file FJU4EK.courses_offered_erd ..... [INSERT 45 in 1.87s]
03:24:24 6 of 14 START seed file FJU4EK.current_learning_objectives_raw_data ..... [RUN]
03:24:25 6 of 14 ERROR loading seed file FJU4EK.current_learning_objectives_raw_data .... [ERROR in 1.16s]
03:24:25 7 of 14 START seed file FJU4EK.instructors_erd ..... [RUN]
03:24:27 7 of 14 OK loaded seed file FJU4EK.instructors_erd ..... [INSERT 26 in 1.98s]
03:24:27 8 of 14 START seed file FJU4EK.learning_outcome_erd ..... [RUN]
03:24:29 8 of 14 OK loaded seed file FJU4EK.learning_outcome_erd ..... [INSERT 230 in 1.82s]
03:24:29 9 of 14 START seed file FJU4EK.terms_erd ..... [RUN]
03:24:31 9 of 14 OK loaded seed file FJU4EK.terms_erd ..... [INSERT 3 in 1.84s]
03:24:31 10 of 14 START test not_null_my_first_dbt_model_id ..... [RUN]
03:24:31 10 of 14 FAIL 1 not_null_my_first_dbt_model_id ..... [FAIL 1 in 0.66s]
03:24:31 11 of 14 START test unique_my_first_dbt_model_id ..... [RUN]
03:24:32 11 of 14 PASS unique_my_first_dbt_model_id ..... [PASS in 0.68s]
03:24:32 12 of 14 SKIP relation FJU4EK.my_second_dbt_model ..... [SKIP]
03:24:32 13 of 14 SKIP test not_null_my_second_dbt_model_id ..... [SKIP]
03:24:32 14 of 14 SKIP test unique_my_second_dbt_model_id ..... [SKIP]
03:24:32
03:24:32 Finished running 2 view models, 1 table model, 7 seeds, 4 data tests in 0 hours 0 minutes and 16.75 seconds (16.75s).
03:24:32
03:24:32 Completed with 3 errors and 0 warnings:
03:24:32
03:24:32 Database Error in model active_courses (models/example/active_courses.sql)
```



+ Create

Search

Projects

Data

Databases

Add Data

Data Products

AI & ML

Monitoring

Admin

NO Naomi Ohashi

DS5111\_DBT

Search

FJU4EK

Tables

Views

ACTIVE\_COURSES

FVC7FE

INFORMATION\_SCHEMA

IY5SW

JP5PH

PAH4RW

RAH5FF

RRM3NH

SME5QYX

TESTDRIVE

TSL2B

TZS5DD

VAT5JY

YMB7FB

YNX9ZM

DS5111\_SU24 / FJU4EK / ACTIVE\_COURSES

View DS5111\_DBT 4 hours ago

View Details Columns Data Preview

COMPUTE\_WH Updated 1 minute ago

	MNEMONIC	COURSE_NAME
1	ds_biz_analytics	Business Analytics for Data Scientists
2	ds_tech_bootcamp	Technical Bootcamp
3	ds5001	Exploratory Text Analytics
4	cs5012	Foundations of Computer Science
5	ds5100	Programming for Data Science
6	ds5110	Big Data Systems
7	ds6001	Practice and Application of Data Science
8	ds6002	Big Data Ethics
9	ds6011	Data Science Capstone Project Work I
10	ds6013	Data Science Capstone Project Work II