TP DBT
Noëlie COMTE

J'ai fait mon tp sur l'ordinateur d'Estelle car ça ne marchait pas sur le mien

```
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$ dbt run --select stg_sale
s
09:47:36   Running with dbt=1.7.11
09:47:36   Registered adapter: postgres=1.7.11
09:47:37   Found 3 models, 4 tests, 2 seeds, 0 sources, 0 exposures, 0 metrics, 401 macro
s, 0 groups, 0 semantic models
09:47:37
09:47:37   Concurrency: 1 threads (target='dev')
09:47:37
09:47:37   1 of 1 START sql view model public.stg_sales ................................
.. [RUN]
09:47:37   1 of 1 OK created sql view model public.stg_sales ...........................
.. [CREATE VIEW in 0.25s]
09:47:37
09:47:37   Finished running 1 view model in 0 hours 0 minutes and 0.55 seconds (0.55s).
09:47:37
09:47:37   Completed successfully
09:47:37
09:47:37   Done. PASS=1 WARN=0 ERROR=0 SKIP=0 TOTAL=1
```

stg_sales.sql ×   **stg_products.sql**

dbt_tp > models > staging > stg_sales.sql

```sql
 3    select
      product_id,
 6       quantity::integer as quantity,
 7       sale_date::date as sale_date
 8    from {{ ref('raw_sales_data') }}
 9
10    select * from stg_sales
11
12    |
13
```

PROBLÈMES   SORTIE   TERMINAL   PORTS   SEARCH ERROR

TERMINAL   bash - dbt_tp

```
09:42:12     retries: 1
09:42:12 Registered adapter: postgres=1.7.11
09:42:12     Connection test: [OK connection ok]

09:42:12 All checks passed!
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$ dbt seed
09:43:46 Running with dbt=1.7.11
09:43:47 Registered adapter: postgres=1.7.11
09:43:47 Unable to do partial parsing because saved manifest not found. Starting full parse.
09:43:49 Found 2 models, 4 tests, 0 sources, 0 exposures, 0 metrics, 401 macros, 0 groups, 0 semantic models
09:43:49
09:43:49 Nothing to do. Try checking your model configs and model specification args
09:43:49
09:43:49 Completed successfully
09:43:49
09:43:49 Done. PASS=0 WARN=0 ERROR=0 SKIP=0 TOTAL=0
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$ dbt run --select stg_sales
09:47:36 Running with dbt=1.7.11
09:47:36 Registered adapter: postgres=1.7.11
09:47:37 Found 3 models, 4 tests, 2 seeds, 0 sources, 0 exposures, 0 metrics, 401 macros, 0 groups, 0 semantic models
09:47:37
09:47:37 Concurrency: 1 threads (target='dev')
09:47:37
09:47:37 1 of 1 START sql view model public.stg_sales .................................. [RUN]
09:47:37 1 of 1 OK created sql view model public.stg_sales ............................. [CREATE VIEW in 0.25s]
09:47:37
09:47:37 Finished running 1 view model in 0 hours 0 minutes and 0.55 seconds (0.55s).
09:47:37
09:47:37 Completed successfully
09:47:37
```

stg_sales.sql   **stg_products.sql** ×

dbt_tp > models > staging > stg_products.sql

Click here to ask Blackbox to help you code faster

```sql
 1    {{ config(materialized='view') }}
 2
 3    select
 4       product_id,
 5       product_name::varchar(255) as product_name,
 6       category::varchar(50) as category,
 7       price::numeric(10, 2) as price
 8    from {{ ref('raw_product_data') }}
 9
10    select * from stg_sales
```

PROBLÈMES   SORTIE   TERMINAL   PORTS   SEARCH ERROR

TERMINAL   bash - dbt_tp

```
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$ dbt run --select stg_products
10:28:18 Running with dbt=1.7.11
10:28:18 Registered adapter: postgres=1.7.11
10:28:19 Found 4 models, 2 seeds, 4 tests, 0 sources, 0 exposures, 0 metrics, 401 macros, 0 groups, 0 semantic models
10:28:19
10:28:19 Concurrency: 1 threads (target='dev')
10:28:19
10:28:19 1 of 1 START sql view model public.stg_products .............................. [RUN]
10:28:19 1 of 1 OK created sql view model public.stg_products ......................... [CREATE VIEW in 0.19s]
10:28:19
10:28:19 Finished running 1 view model in 0 hours 0 minutes and 0.48 seconds (0.48s).
10:28:19
10:28:19 Completed successfully
10:28:19
10:28:19 Done. PASS=1 WARN=0 ERROR=0 SKIP=0 TOTAL=1
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
```

Share Code Link   Explain Code   Comment Code   Find Bugs   Code Chat   Blackbox   Search Error   L. 10, col 24   Espaces : 4   UTF-8   LF   SQL   Go Live   Blackbox

ÉDITEURS OUVERTS
- stg_sales.sql dbt_tp/models/staging
- models.yml dbt_tp/models/staging
- stg_products.sql dbt_tp/models/sta...

EXERCISE-MAIN-NOELIE-COMTE
- dbt_tp
  - analyses
  - dbt_packages
  - logs
  - macros
  - models
    - example
      - my_first_dbt_model.sql
      - my_second_dbt_model.sql
      - schema.yml
    - staging
      - models.yml
      - stg_products.sql
      - stg_sales.sql
  - seeds
    - .gitkeep
    - raw_product_data.csv
    - raw_sales_data.csv
  - snapshots
  - target
  - tests
  - .gitignore
  - dbt_project.yml
  - README.md
  - dbt-env

STRUCTURE
CHRONOLOGIE

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stg_sales.sql   models.yml ×   stg_products.sql

dbt_tp > models > staging > models.yml

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```yaml
1  version: 2
2
3  models:
4    - name: stg_sales
5      description: "A starter dbt model"
6      columns:
7        - name: sale_id
8          description: "The primary key for this table"
9          tests:
10           - unique
11           - not_null
```

PROBLÈMES   SORTIE   TERMINAL   PORTS   SEARCH ERROR

bash - dbt_tp

```
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$ dbt test --select stg_sales
10:32:01  Running with dbt=1.7.11
10:32:02  Registered adapter: postgres=1.7.11
10:32:02  Found 4 models, 2 seeds, 6 tests, 0 sources, 0 exposures, 0 metrics, 401 macros, 0 groups, 0 semantic models
10:32:02
10:32:02  Concurrency: 1 threads (target='dev')
10:32:02
10:32:02  1 of 2 START test not_null_stg_sales_sale_id ..................................... [RUN]
10:32:03  1 of 2 PASS not_null_stg_sales_sale_id ....................................... [PASS in 0.10s]
10:32:03  2 of 2 START test unique_stg_sales_sale_id ....................................... [RUN]
10:32:03  2 of 2 PASS unique_stg_sales_sale_id ........................................... [PASS in 0.06s]
10:32:03
10:32:03  Finished running 2 tests in 0 hours 0 minutes and 0.44 seconds (0.44s).
10:32:03
10:32:03  Completed successfully
10:32:03
10:32:03  Done. PASS=2 WARN=0 ERROR=0 SKIP=0 TOTAL=2
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
```

ÉDITEURS OUVERTS
- stg_sales.sql dbt_tp/models/staging
- models.yml dbt_tp/models/staging
- models2.yml dbt_tp/models/staging
- stg_products.sql dbt_tp/models/sta...

EXERCISE-MAIN-NOELIE-COMTE
- dbt_tp
  - analyses
  - dbt_packages
  - logs
  - macros
  - models
    - example
      - my_first_dbt_model.sql
      - my_second_dbt_model.sql
      - schema.yml
    - staging
      - models.yml
      - models2.yml
      - stg_products.sql
      - stg_sales.sql
  - seeds
    - .gitkeep
    - raw_product_data.csv
    - raw_sales_data.csv
  - snapshots
  - target
  - tests
  - .gitignore
  - dbt_project.yml

STRUCTURE
CHRONOLOGIE

---

stg_sales.sql   models.yml   models2.yml ×   stg_products.sql

dbt_tp > models > staging > models2.yml

💡 Click here to ask Blackbox to help you code faster

```yaml
1  version: 2
2
3  models:
4    - name: stg_products
5      description: "A starter dbt model"
6      columns:
7        - name: product_id
8          description: "The primary key for this table"
9          tests:
10           - unique
11           - not_null
```

PROBLÈMES   SORTIE   TERMINAL   PORTS   SEARCH ERROR

bash - dbt_tp

```
10:33:44  Database Error in test unique_stg_products_products_id (models/staging/models2.yml)
          column "products_id" does not exist
          LINE 12:      products_id as unique_field,
                        ^
          HINT: Perhaps you meant to reference the column "stg_products.product_id".
          compiled Code at target/run/dbt_tp/models/staging/models2.yml/unique_stg_products_products_id.sql
10:33:44
10:33:44  Done. PASS=0 WARN=0 ERROR=2 SKIP=0 TOTAL=2
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$ dbt test --select stg_products
10:34:22  Running with dbt=1.7.11
10:34:23  Registered adapter: postgres=1.7.11
10:34:24  Found 4 models, 2 seeds, 8 tests, 0 sources, 0 exposures, 0 metrics, 401 macros, 0 groups, 0 semantic models
10:34:24
10:34:24  Concurrency: 1 threads (target='dev')
10:34:24
10:34:24  1 of 2 START test not_null_stg_products_product_id ............................. [RUN]
10:34:24  1 of 2 PASS not_null_stg_products_product_id ................................. [PASS in 0.11s]
10:34:24  2 of 2 START test unique_stg_products_product_id ............................... [RUN]
10:34:24  2 of 2 PASS unique_stg_products_product_id ................................... [PASS in 0.10s]
10:34:24
10:34:24  Finished running 2 tests in 0 hours 0 minutes and 0.50 seconds (0.50s).
10:34:24
10:34:24  Completed successfully
10:34:24
10:34:24  Done. PASS=2 WARN=0 ERROR=0 SKIP=0 TOTAL=2
(dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$
```

dbt_tp > models > marts > ≡ daily_sales_revenue_by_category.sql

💡 Click here to ask Blackbox to help you code faster

```
1   {{ config(materialized='table') }}
2
3   select sum(s.quantity*p.price) as daily_revenue
4   from {{ ref('stg_sales') }} as s
5   inner join {{ ref('stg_products') }} as p on s.product_id = p.product_id
6
7
```

PROBLÈMES   SORTIE   TERMINAL   PORTS   SEARCH ERROR

TERMINAL

```
10:34:24  1 of 2 START test not_null_stg_products_product_id .............................. [RUN]
10:34:24  1 of 2 PASS not_null_stg_products_product_id .............................. [PASS in 0.11s]
10:34:24  2 of 2 START test unique_stg_products_product_id .............................. [RUN]
10:34:24  2 of 2 PASS unique_stg_products_product_id .............................. [PASS in 0.10s]
10:34:24
10:34:24  Finished running 2 tests in 0 hours 0 minutes and 0.50 seconds (0.50s).
10:34:24
10:34:24  Completed successfully
10:34:24
10:34:24  Done. PASS=2 WARN=0 ERROR=0 SKIP=0 TOTAL=2
● (dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$ dbt run --select daily_sales_revenue_by_category
10:59:24  Running with dbt=1.7.11
10:59:24  Registered adapter: postgres=1.7.11
10:59:25  Found 6 models, 2 seeds, 8 tests, 0 sources, 0 exposures, 0 metrics, 401 macros, 0 groups, 0 semantic models
10:59:25
10:59:25  Concurrency: 1 threads (target='dev')
10:59:25
10:59:25  1 of 1 START sql table model public.daily_sales_revenue_by_category ............ [RUN]
10:59:25  1 of 1 OK created sql table model public.daily_sales_revenue_by_category ....... [SELECT 1 in 0.26s]
10:59:25
10:59:25  Finished running 1 table model in 0 hours 0 minutes and 0.59 seconds (0.59s).
10:59:25
10:59:25  Completed successfully
10:59:25
10:59:25  Done. PASS=1 WARN=0 ERROR=0 SKIP=0 TOTAL=1
○ (dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$ 
```

✗ ⊗ 0 ⚠ 0 🛜 0   ⟳   Share Code Link   Explain Code   Comment Code   Find Bugs   Code Chat   Blackbox   Search Error   L 6, col 1   Espaces : 4   UTF-8   LF   SQL   ⦿ Go Live   Blackbox   🔔

dbt_tp > models > marts > ≡ daily_sales_revenue_by_category.sql

💡 Click here to ask Blackbox to help you code faster

```
1   {{ config(materialized='table') }}
2
3   select s.sale_date, p.category ,sum(s.quantity*p.price) as daily_revenue
4   from {{ ref('stg_sales') }} as s
5   inner join {{ ref('stg_products') }} as p on s.product_id = p.product_id
6   group by s.sale_date, p.category
7
```

PROBLÈMES   SORTIE   TERMINAL   PORTS   SEARCH ERROR

TERMINAL   🐚 bash - dbt_tp + ∨ ⊡ 🗑 ···

```
11:05:15
11:05:15  Completed with 1 error and 0 warnings:
11:05:15
11:05:15    Database Error in model daily_sales_revenue_by_category (models/marts/daily_sales_revenue_by_category.sql)
  column "s.sale_date" must appear in the GROUP BY clause or be used in an aggregate function
  LINE 14: select s.sale_date, p.category ,sum(s.quantity*p.price) as d...
                  ^
  compiled Code at target/run/dbt_tp/models/marts/daily_sales_revenue_by_category.sql
11:05:15
11:05:15  Done. PASS=0 WARN=0 ERROR=1 SKIP=0 TOTAL=1
● (dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$ dbt run --select daily_sales_revenue_by_category
11:06:22  Running with dbt=1.7.11
11:06:22  Registered adapter: postgres=1.7.11
11:06:23  Found 6 models, 2 seeds, 8 tests, 0 sources, 0 exposures, 0 metrics, 401 macros, 0 groups, 0 semantic models
11:06:23
11:06:23  Concurrency: 1 threads (target='dev')
11:06:23
11:06:23  1 of 1 START sql table model public.daily_sales_revenue_by_category ............ [RUN]
11:06:23  1 of 1 OK created sql table model public.daily_sales_revenue_by_category ....... [SELECT 169 in 0.23s]
11:06:23
11:06:23  Finished running 1 table model in 0 hours 0 minutes and 0.52 seconds (0.52s).
11:06:23
11:06:23  Completed successfully
11:06:23
11:06:23  Done. PASS=1 WARN=0 ERROR=0 SKIP=0 TOTAL=1
○ (dbt-env) (base) MacBook-Air-de-Estelle:dbt_tp estelleclement$ █
```

Dashboard visualization