

Lab 5 – Task 4: Define Measures and Dimensions

Objective

Add custom **measures** and **dimensions** to your LookML views to enable meaningful analysis.

Steps to Complete Task 4

1. Add a Measure: `total_revenue`

- In `order_items.view`, go to **line 100**.
- Add:

SQL

lookml n'est pas entièrement prise en charge. La coloration syntaxique est basée sur SQL.

```
measure: total_revenue {  
  type: sum  
  sql: ${sale_price} ;;  
}
```

Afficher plus de lignes

- Click **Save Changes**.
-

2. Extend Timeframes in `created` Dimension Group

- Scroll to `dimension_group: created` (around line 12).
- In the `timeframes` array, after `year`, add:

SQL

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```
day_of_week,  
hour_of_day
```

Afficher plus de lignes

- Ensure all items are comma-separated and enclosed in square brackets.
- Click **Save Changes**.

Lab 5 – Task 5: Create an Explore and Add More Fields

Objective

Create an **Explore** to join views and add new dimensions and measures to enrich analysis.

Steps to Complete Task 5

1. Create an Explore

- Open `dimensions_and_measures.model`.
- At **line 5**, add:

SQL

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```
explore: order_items {  
  join: users {  
    relationship: many_to_one  
    sql_on: ${users.id} = ${order_items.user_id} ;;  
  }  
}
```

Afficher plus de lignes

- Click **Save Changes**.
-

2. Add a Dimension: `full_name`

- Open `users.view`.
- After `drill_fields: [id]`, add:

SQL

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```
dimension: full_name {  
  type: string  
  description: "First and last name of user"  
  sql: CONCAT(${TABLE}.first_name, " ", ${TABLE}.last_name) ;;  
}
```

Afficher plus de lignes

◆ 3. Add a Measure: `total_users`

- Above `measure:` `count`, add:

SQL

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```
measure: total_users {  
  type: count_distinct  
  sql: ${TABLE}.id ;;  
}
```

Afficher plus de lignes

- Click **Save Changes**.
-

◆ 4. Update Drill Fields in `order_items.view`

- Replace `drill_fields:` `[id]` with:

SQL

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```
drill_fields: [created_date, sale_price, users.user_name]
```

Afficher plus de lignes

◆ 5. Add a Measure: `revenue_per_user`

- After `measure:` `total_revenue`, add:

SQL

lookml n'est pas entièrement prise en charge. La coloration syntaxique est basée sur SQL.

```
measure: revenue_per_user {  
  type: number  
  sql: total_revenue / total_users ;;  
}
```

Afficher plus de lignes

- Click **Save Changes**.
-

Final Step: Deploy to Production

1. Click **Commit Changes & Push**
2. In the commit dialog, enter:
 - o **Message:** added model, views, new measures and dimensions
3. Click **Commit**
4. Click **Deploy to Production**
5. Click **Check my progress** to verify completion