# Take Home Assessment

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Analysis

## Initial Takeaways

- Request Submissions spans 3 days
- Assignment Acceptance/Declines span 1 day
- 74 Unique Requests during this time
- There were 71 Analysts interacting with the system during this time.

## **Data To Look Into**

#### 'Waiting for'

In the entire data set there are only six request lines that have nothing or no true filled in for what appears to be necessary next steps.

#### **Analysts Scores**

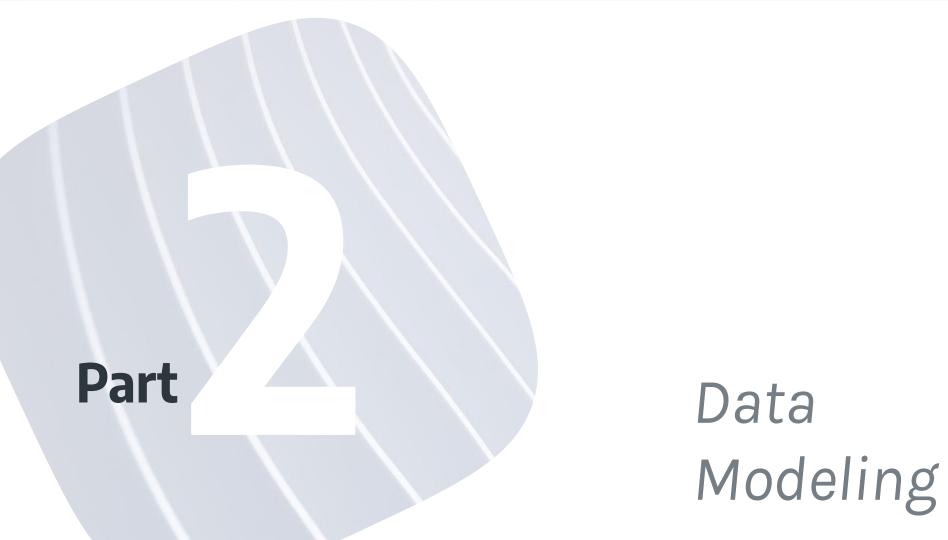
There is likely either a problem in the reporting of the data independent metric of evaluating analysts sourcing/writing scores.

#### Overarching Pipeline

Does all of the requests pipeline through this set from more declines - what inception to completion? Not all jobs seem to be assigned for even if it is still marked as waiting for a job that is notated here.

#### Declined/Accepted

Is there a difference in jobs that have is causing it? Can it be remedied?



#### Potential Business User Questions

- Who are the top performing analysts?
  - By Quality & Quantity Metrics
- What is the turnaround time on an assignment?
- Are the best performing analysts taking top priority requests?
- How are the analysts performing over time? Improving? Declining? Past 5 Scores v. Historical?
- What is the status of a job?



SQL Challenge

#### Assume we are using these two tables:

```
customers table:
```

```
customer_nbr customer_name

1 Jim Brown
2 Jeff Gordon
3 Peter Green
4 Julie Peters
```

#### orders table:

order_nbr	order_date	customer_nbr	order_amt
1	2008-10-01	1	15.50
2	2008-12-15	2	25.00
3	2009-01-02	1	18.00
4	2009-02-20	3	10.25
5	2009-03-05	1	30.00

### What's Wrong Here?

#### What are the problem(s) with this SQL query?

customers.customer name