**Data Analyst Intern – Assignment**

**Part 1 SQL**

**What is the number of orders that got ‘Cancelled’ last year?**

select count(order\_id)

from bigquery-public-data.thelook\_ecommerce.orders

WHERE status="Cancelled" and(created\_at BETWEEN TIMESTAMP("2021-01-01")

AND TIMESTAMP("2021-12-31"))

**What are the top 5 best selling ‘Jeans’ brands?**

select product\_name,count(product\_name) as No\_Count

from bigquery-public-data.thelook\_ecommerce.inventory\_items

where product\_category ="Jeans"

group by product\_name

order by No\_Count desc

limit 5

**We are planning on giving out gift vouchers to the top 10 spending customers. Identify them.**

select oi.user\_id,us.first\_name,us.last\_name,sum(oi.sale\_price) as total\_sale

from bigquery-public-data.thelook\_ecommerce.order\_items as oi

inner join bigquery-public-data.thelook\_ecommerce.users as us

on oi.user\_id=us.id

group by oi.user\_id,first\_name,last\_name

order by total\_sale desc

limit 10

**What is the Total Sale Price of ‘Fashion Hoodies and Sweatshirts’ purchased by Chinese female customers?**

select sum(sale\_price) as total\_sale

from bigquery-public-data.thelook\_ecommerce.order\_items as oi

inner join bigquery-public-data.thelook\_ecommerce.users as us

on oi.user\_id=us.id

inner join bigquery-public-data.thelook\_ecommerce.products as pd

on oi.product\_id=pd.id

where category ="Fashion Hoodies & Sweatshirts" and department="Women" and(country = "China" and gender="F")

**Which category of products has the second most unsold items?**

Select  \*

from(select product\_category,count(product\_category) as total

from bigquery-public-data.thelook\_ecommerce.inventory\_items

where sold\_at is null

group by product\_category

order by total desc

limit 2) as t

order by t.total

limit 1

**Which distribution centre location houses the highest number of products from the ^above obtained product category?**

select d.name,count(i.product\_distribution\_center\_id) as total

from bigquery-public-data.thelook\_ecommerce.inventory\_items as i

inner join bigquery-public-data.thelook\_ecommerce.distribution\_centers as d

on i.product\_distribution\_center\_id=d.id

where sold\_at is null

group by d.name

order by total desc

limit 5