**BCIS 5610 ASSIGNMENT 04**

**ENTERPRISE DATA WAREHOUSING**

**Turo Tableau Reporting**

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Q1. Document your challenges as compared to assignment 3. Do not use any workarounds. For example, how did you connect to the MySQL database? How did you resolve the loop(s)?

* In QlikView, we have more control to load the data from various sources whereas in Tableau the data is directly loaded from the source. To alias tables in Tableau, we were required to back to our database, which is an extra step and hence an inconvenience.
* QlikView has an inbuilt scheduler to refresh the data, while Tableau works on either an extract or live data. In Tableau we are required to hence depend on the DBA to refresh the data.

Q2. Document the workarounds. Why did you need one? How does the work around work? Is this work around applicable in the industry?

* Connecting to MySQL database was a major challenge as Tableau could not authenticate the access at once. While this problem resolved after several attempts, a workaround in this situation was to extract data from the database in csv format and then loading it on Tableau. However, from industry point of view, where the sizes of the datasets are huge, this workaround would prove to be inadequate.

DASHBOARD

DATA SOURCE

Graphical user interface, text, application

Description automatically generated

Custom SQL Query

Select bk.booked\_date

,bk.booking\_key

,bk.car\_availability

,cd.car\_doors

,cd.car\_id

,bk.car\_location

,ss.car\_type

,cd.child\_safety

,cr.cust\_review\_key

,cr.custmoer\_reviewdt\_key

,cr.customer\_id

,cr.customer\_review

,ss.discount\_id

,cd.engine\_capacity

,hr.host\_id

,hr.host\_review

,hr.host\_review\_dt

,hr.hostreview\_key

,cd.model

,bk.model\_pref

,cr.ratings\_given

,ss.sale\_price

,cd.seats

,ss.total\_price

,cd.trips\_completed

,cd.type

from chandradm.booking\_fact\_11587865 bk

left join chandradm.customerreview\_fact\_11587865 cr

on cr.customer\_id = bk.customer\_id

left join chandradm.hostreview\_fact\_11587865 hr

on hr.host\_id = cr.host\_id

left join chandradm.car\_dim\_11587865 cd

on cd.car\_id = bk.car\_id

left join chandradm.seasonal\_saledim\_11587865 ss

on ss.discount\_id = bk.discount\_id

Worksheet 1

The below chart represents ratings given per car at different locations.

Chart, bubble chart

Description automatically generated

Worksheet 2

The worksheet shows the trips completed by cars

Chart, bubble chart

Description automatically generated

Worksheet 3

The worksheets displays the total price for each car.

Chart, treemap chart

Description automatically generated

Worksheet 4

The Bar chart shows the Bookings per location and their price fare.

Graphical user interface, chart, application, bar chart

Description automatically generated