AIDM7330 A Proposal (Template) for the Final Presentation

Group Project

• Group name: NO ERROR

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• Group members: CHIU Sing Yuk, HUANG Zefei, LUO Yifeng

1.Proposal title

・2015-2017 Hong Kong hotel reservation demand data set and European hotel reservation demand data set comparison

2.Get data

・We can obtain data from the article "Hotel Reservation Demand Data Set" written by Nuno Antonio, Ana Almeida and Luis Nunes, for data introduction, Volume 22, February 2019.

・Hong Kong government website data.

3.What is this data set about?

・This data set contains booking information for a city hotel(城市旅馆) and a resort hotel(度假村), and includes information such as when the booking was made, length of stay, the number of adults, children, and/or babies, and the number of available parking spaces, among other things. All personally identifying information has been removed from the data.

4.Data cleaning

Which issue/case/beat do you want to cover in this project?

・Advance things we can do: Using AI skills to predict the booking of the hotel

・How to successfully correspond to a model to predict hotel reservations based on data.

5.What is the “problem” you can identify? (What)

・Compare the database of past hotel demand with the current changes in Hong Kong hotel demand, and calculate and predict future hotel demand changes and summarize guest consumption behaviour.

・Common Questions: When is the Best hotel booking time of the year.

6. Data exploration, modelling and interpretation

・Question 1: The development status and reservation demand of hotels in Hong Kong

・Question 2: The development status and reservation demand of a European hotel

Consumer

3.1 Where do the guests come from?

3.2 How much does a guest pay for a room per night?

3.3 How long does the guest stay in the hotel?

3.4 Which room types are booked the most?

3.5 Are there more men or women?

Hotel

3.5 How does the price per night change during the year?

3.6 Which month is the most demanded?

3.7 Which month has the most cancellations?

3.8 How many bookings have been cancelled?

7. Suggestions and summary

·Task Assignment

Data analysis,: LUO Yifeng, HUANG Zefei

Data search, cleaning: HUANG Zefei, LUO Yifeng

Data visualization,: XIE Yuxiang, CHIU Sing Yuk

Copywriting: CHIU Sing Yuk, XIE Yuxiang