Meta-Data Analysis

1. InterimSandbox_FinalData_IntegratedSheets_Group1

S No.	Variable Name	Data Type	Modelling Type	Description	Levels	Distribution
1.	Booking ID	Numeric	Nominal	Unique Booking ID	684920 levels	
2.	User ID	Numeric	Nominal	Unique Eatigo User ID	136177 Levels	
3.	Restaurant ID	Numeric	Nominal	Unique Restaurant ID	647 levels	
4.	Made on Date (dd/mm/yyyy)	Numeric	Continuous	Booking Made on date		
5.	Made at Time (h:mm)	Numeric	Continuous	Booking Date Made at Time		
6.	Made on Day	Character	Nominal	Booking Made on Day of the Week	7 levels	■ Made on Day ■ Frequencies Level Count Prob Sun 103017 0.15041 Mon 85958 0.12550 Tue 87276 0.12743 Wed 91766 0.13398 Thu 91582 0.13337 Fri 101254 0.14783 Sat 124067 0.18114 Total 684920 1.00000 N Missing 0 7 Levels
7.	Made in Month	Character	Nominal	Booking Made in Month of the year	12 levels	Made in Month Frequencies
8.	Booking_lat	Numeric (Latitude DMM)	Continuous	Geographic latitude at which the unique user was located while making the booking		
9.	Booking_long	Numeric	Continuous	Geographic longitude at which the unique user was located while making the booking		
10.	Booking Date(dd/mm/yyyy)	Numeric	Continuous	Booking Made for Date		

11.	Booking Day	Character	Nominal	Booking Made for Day of the Week	7 levels	Frequencies Level Count Prob Sunday 121234 0.17700 Monday 71496 0.10439 Truesday 77732 0.11349 Wednesday 8188 0.11951 Thursday 83493 0.12190 Friday 105932 0.15466 Saturday 143175 0.20904 Total 684920 1.00000 N Missing 0 T Levels Missing 0 T Levels County
12.	Booking Day Grouped	Character	Nominal	Booking Day grouped into Weekday and Weekend Mon, Tue, Weekday Wed, Thu, Fri Sat, Sun Weekend	2 levels	Frequencies Level Count Prob Weekday 420511 0.61396 Weekend 264409 0.38604 Total 684920 1.00000 N Missing 0 2 Levels Veekday Weekend 264409 0.38604 Veekday Weekend 264409 0.38604 Veekday Weekend 264409 0.38604 Veekday Veekend 264409 0.38604 Veekday Veekday Veekend 264409 0.38604 Veekday Veekend 264409 0.38604 Veekday Veekend 264409 0.38604 Veekday Veekday Veekend 264409 0.38604 Veekday Veekday Veekend 264409 0.38604 Veekday Ve
13.	Booking Month	Character	Nominal	Booking Made for Month of the Year	12 levels	## Booking Month ## Frequencies Level Count Prob Jan 36929 0.05392 Feb 38215 0.05579 Mar 45336 0.06619 Apr 45539 0.06619 Apr 45539 0.06619 Apr 45539 0.06619 Apr 45530 0.06756 May 52820 0.07712 Jul 59453 0.08680 Aug 61865 0.099032 Sep 63414 0.09259 Oct 66472 0.09705 Nov 69902 0.10206 Dec 91796 0.13402 Total 684920 1.00000 N Missing 0 12 Levels
14.	Booking Year	Numeric	Nominal	Booking Made for Year	1 level	■ Frequencies Level Count Prob 2017 684920 1.00000 Total 684920 1.00000 N Missing 0 1 Levels
15.	Booked the Same Day?	Character	Nominal	Whether Made on Date = Booking date: If Made on Yes date=Booking Date If Made on Date != No Booking Date	2 levels	Booked the same day?
16.	Days in Advance of Booking	Numeric	Continuous	Number of days between Booking Date and Made on Date Example: If Booking Date = 23/03/2017 and Made on Date =		d ▼ Days in Advance of Booking d Quantiles 100,01% maximum 30 Meam 2,092,2813 99,5% 129 Stid for Mean 0,003,8114 90,5% 159 Stid for Mean 0,003,8114 90,00% 6 Uppe 95% Mean 2,103,6716 75,00% quartile 2,000,9811 0,000,981 0,00

				26/03/2017 then Days in Advance of Booking = 3		
		Character	Nominal	Days in Advance of Booking Grouped as:		
				Days in Same Day Advance of Booking = 0		■ Days in Advance of Booking Grouped ■ Frequencies Level Count Prob
17.	Days in Advance of Booking Grouped			Days in Previous Day Advance of Booking = 1	4 levels	. 1965 0.00287 pre-planned 176266 0.25204 previous day 99587 0.14540 same day 410742 0.59969 Total 684920 1.00000
				1 <days <="31</td" advance="" booking="" in="" of=""><td></td><td>. Nissing 0 gerjahred speriatis to gerie to A Levels</td></days>		. Nissing 0 gerjahred speriatis to gerie to A Levels
				>=32 Missing		
18.	Booking Discount	Numeric	Continuous	% Discount Availed on Booking		## Booking Discount ## Quantiles 10,00% machinum
19.	Booking Discount Grouped	Character	Ordinal	Booking Discount Grouped 10% & 15%	5 levels	Booking Discount Grouped Frequencies Level Count Prob
20.	Booking Status	Character	Nominal	Status of the Booking Attended Booking was Attended Cancelled Booking was cancelled in advance No-Show Eatigo User did not turn up for Booking	3 levels	Frequencies Level Count Prob Attended 457870 0.66850 Cancelled 184895 0.26995 No-Show 42155 0.06155 Total 684920 1.00000 N Missing 0 3 Levels

21.	Booking Status Grouped	Character	Nominal	Booking Status Grouped as: Attended redeemed Cancelled or not No-Show redeemed	2 levels	Booking Status Grouped Frequencies
22.	Booking Source	Character	Nominal	Eatigo Platform from which Booking was Made: Eatigo App from iOS App Store Eatigo App from Andr Play Store Eatigo website Mobinaccessed via Web mobile Eatigo website Website Others Othe	id 5 levels	■ Booking Source Ievel Count Prob
23.	Diners Ungrouped	Numeric	Continuous	Number of Diners the booking was made for	5	Quantiles
24.	Number of Diners	Character	Nominal	Number of Diners Grouped a If Diners Exact Num Ungrouped Eg, if Diner <=10 Ungrouped 1, then Number of Diners = 1 If Diner >10 Ungrouped > 10	er.	Number of Diners Frequencies
25.	Promotion Code	Character	Nominal	used		■ Promotion Code

26.	Restaurant Status	Character	Nominal	Status of the Restaurant at the time of recording the data If restaurant is Active active on Eatigo If restaurant is Banned permanently removed from Eatigo If restaurant is Pending temporarily removed or closed	3 levels	■ Restaurant Status ■ Frequencies Level Count Prob Active F570731 0.83328 Banned 99796 0.14570 Pending 14393 0.02101 Total 684920 1.00000 N Missing 0 3 Levels
27.	Restaurant Cuisine	Character	Nominal	The cuisine that the restaurant specializes in	17 levels	Restaurant Cuisine Frequencies Count Prob International 152076 0.22203 Japanese 139208 0.20325 Chinese Thai 65416 0.09551 European 62217 0.09004 Chinese Chines
28.	Restaurant Minimum Price	Numeric	Continuous	The least Price Amount that the User will have to pay for that restaurant		Pestaurant Minimum Price d Quantiles 100.0% maximum 110 95.5% 95
29.	Restaurant maximum Price	Numeric	Continuous	The maximum price Amount that the User will have to pay for that restaurant		Quantiles Summary Statistics 10,00% machinum 130 Mean 34,29999 95,5% 85 Std Dev 14,43344 97,5% 97,5% 85 Std Dev 14,43344 91,00%
30.	Average Price	Numeric	Continuous	The Mean Price for that Restaurant (Restaurant Minimum Price + Restaurant Maximum Price)		■ Average Price 4 Quantiles 1000% maximum 120 Mean 28.648544 99.5% 65 Std Dev 12.162966 97.5% 90.0% 65 Std Ir Mean 10.046867 90.0%
31.	Restaurant Tier	Character	Ordinal			

32.	Tier	Character	Ordinal	Restaurants Grouped into Tier According to Price Most Expensive Tier 5 Expensive Tier 4 Neither Expensive Tier 3 Nor Cheap Cheap Tier 2	5 levels	■ Tier Image: Arrival and Company of the Compan
33.	Tier Grouped	Character	Ordinal	Very Cheap Tier 1 Tiers grouped further: Tier 4 and Tier 5 High Tier Tier 3 Mid Tier Tier 1 and Tier 2 Low Tier	3 levels	■ Tier Grouped ■ Frequencies Level Count Prob Low Tier 584624 0.85357 Mid Tier 67686 0.0982 High Tier 32610 0.04761 Total 684920 1.00000 N Missing 0 3 Levels
34.	Restaurant Country	Character	Nominal	The country in which the Restaurant is present	1 level	Restaurant Country Image: I
35.	Restaurant Broad Area	Character	Nominal	The broadest level geographic categorization of restaurants across Singapore	4 levels	Restaurant Broad Area Frequencies Level Count Prob
36.	Restaurant Latitude	Character (Latitude DMM)	Continuous	The geographic latitude at which the restaurant is located		
37.	Restaurant Longitude	Character (Longitud e DMM)	Continuous	The geographic longitude at which the restaurant is located		
38.	Restaurant First Booking Date	Numeric	Continuous	The date when the restaurant was booked for the first time		

2. lnterimSandbox_FinalData_VendorData_Group1

1.	Variable Name	Data Type	Modelling Type	Description	Level
2.	Restaurant ID	Numeric	Nominal	Unique restaurant ID	647
3.	Number of Bookings	Numeric	Continuous	Number of Bookings made for that restaurant ID	
4.	Attended Bookings	Numeric	Continuous	Number of Bookings Attended for that restaurant ID	
5.	Cancelled Bookings	Numeric	Continuous	Number of Bookings Cancelled for that restaurant ID	
6.	No-Show Bookings	Numeric	Continuous	Number of No-Show Bookings for that restaurant ID	
7.	Proportion of Attended	Numeric	Continuous	Proportion of Bookings Attended for that restaurant ID Attended Bookings Number of Bookings 100	
8.	Proportion of Cancelled	Numeric	Continuous	Proportion of Bookings Cancelled for that restaurant ID (Cancelled Bookings) Number of Bookings	
9.	Proportion of no-Show	Numeric	Continuous	Proportion of No-Show bookings for that restaurant ID No-Show Bookings Number of Bookings	
10.	Unique Users	Numeric	Continuous	Number of Unique users who booked that restaurant	

11.	Repeat users	Numeric	Continuous	Number of bookings made by repeat users for that restaurant Number of Bookings - Unique Users	
12.	Proportion of Repeat Users	Numeric	Continuous	The proportion of repeat bookings of total bookings Repeat users Number of Bookings	
13.	Ration of Repeat to new Users	Numeric	Continuous	For every new user that comes, how many repeat bookings are made for that restaurant Repeat users Unique Users 100	
14.	10-15 Discount group	Numeric	Continuous	Number of users who booked with a discount in the 10-15% range	
15.	20-25 Discount Group	Numeric	Continuous	Number of users who booked with a discount in the 20-25% range	
16.	30-35 Discount Group	Numeric	Continuous	Number of users who booked with a discount in the 30-35 % range	
17.	40-45 Discount Group	Numeric	Continuous	Number of users who booked with a discount in the 40-45% range	
18.	50 discount Group	Numeric	Continuous	Number of users who booked with a 50% discount	
19.	Promotion Code Bookings	Numeric	Continuous	Number of promotion Code bookings	
20.	Without promotion Code Bookings	Numeric	Continuous	Number of Without promotion code bookings	

21.	Proportion of Promotion code Bookings	Numeric	Continuous	Proportion of promotion Code Bookings Promotion Code Bookings Number of Bookings	
22.	Promotion Driven	Character	Nominal	Whether bookings for a restaurant are promotion driven or not	2
23.	Restaurant Minimum Price	Numeric	Continuous	The minimum price for that restaurant	
24.	Restaurant maximum price	Numeric	Continuous	The maximum Price for that restaurant	
25.	Average price	Numeric	Continuous	The Average Price for that restaurant (Restaurant Minimum Price + Restaurant Maximum Price)	
26.	Tier	Character	Nominal	The Tier category the restaurant falls under: Most Expensive Tier 5 Expensive Tier 4 Neither Expensive Tier 3 Nor Cheap Cheap Tier 2 Very Cheap Tier 1	5
27.	Restaurant Cuisine	Character	Nominal	The Cuisine offered by that restaurant	17
28.	Restaurant Status	Character	Nominal	The current status of the restaurant: If restaurant is Active active on Eatigo If restaurant is Banned permanently	3

				removed from Eatigo If restaurant is temporarily removed or closed	Pending	
29.	Restaurant Broad Area	Character	Nominal	The Broad Area that re falls under	staurant	4

3. InterimSandbox_FinalData_UserSheet_Group1

S.No	Variable Name	Data Type	Modelling Type	Description	Level
1.	User ID	Numeric	Nominal	Unique User ID	136177
2.	Number of Bookings	Numeric	Continuous	Number of Bookings per User	
3.	Number of Bookings Attended	Numeric	Continuous	Number of Bookings attended per user	
4.	Number of Bookings Cancelled	Numeric	Continuous	Number of Bookings cancelled per user	
5.	Number of Bookings No-Show	Numeric	Continuous	Number of Bookings No-Show per user	
6.	Average number of Diners	Numeric	Continuous	Average group size the user books for	
7.	Average Number of days in Advance	Numeric	Continuous	Average Number of Days in Advance the user makes a booking	
8.	Average minimum price	Numeric	Continuous	Average minimum price of the restaurant attended by the user across all their bookings	

9.	Average maximum price	Numeric	Continuous	Average maximum price of the restaurant attended by the user across all their bookings
10.	Last booking date	Numeric	Continuous	Latest date at which the user made a booking
11.	Number of Banned	Numeric	Continuous	Number of bookings made at banned restaurants
12.	Number of Active	Numeric	Continuous	Number of bookings made at the active restaurants
13.	Number of Pending	Numeric	Continuous	Number of bookings made at the pending restaurants
14.	Number of promotion Code Bookings	Numeric	Continuous	Number of bookings made using a promotion code
15.	Jan Bookings	Numeric	Continuous	Number of bookings made in the month of Jan
16.	Feb Bookings	Numeric	Continuous	Number of bookings made in the month of Feb
17.	Mar Bookings	Numeric	Continuous	Number of bookings made in the month of Mar
18.	Apr Bookings	Numeric	Continuous	Number of bookings made in the month of Apr
19.	May Bookings	Numeric	Continuous	Number of bookings made in the month of May
20.	Jun Bookings	Numeric	Continuous	Number of bookings made in the month of Jun
21.	Jul Bookings	Numeric	Continuous	Number of bookings made in the month of Jul
22.	Aug Bookings	Numeric	Continuous	Number of bookings made in the month of Aug
23.	Sep Bookings	Numeric	Continuous	Number of bookings made in the month of Sep
24.	Oct Bookings	Numeric	Continuous	Number of bookings made in the month of Oct

25.	Nov Bookings	Numeric	Continuous	Number of bookings made in the month of Nov	
26.	Dec Bookings	Numeric	Continuous	Number of bookings made in the month of Dec	
27.	Monday bookings	Numeric	Continuous	Number of bookings made on Monday by the user	
28.	Tuesday bookings	Numeric	Continuous	Number of bookings made on Tuesday by the user	
29.	Wednesday bookings	Numeric	Continuous	Number of bookings made on Wednesday by the user	
30.	Thursday bookings	Numeric	Continuous	Number of bookings made on Thursday by the user	
31.	Friday bookings	Numeric	Continuous	Number of bookings made on Friday by the user	
32.	Saturday bookings	Numeric	Continuous	Number of bookings made on Saturday by the user	
33.	Sunday bookings	Numeric	Continuous	Number of bookings made on Sunday by the user	
34.	Unique restaurant	Numeric	Continuous	Number of Unique Restaurants tried by the user	
35.	Unique cuisine	Numeric	Continuous	Number of unique restaurants tried by the user	