

```

> str(Flight_Data.df)
'data.frame': 129487 obs. of 23 variables:
 $ Gender                : num  1 1 0 0 1 0 1 0 0 1 ...
 $ Customer Type         : num  1 0 1 1 1 1 1 1 1 0 ...
 $ Age                   : num  13 25 26 25 61 26 47 52 41 20 ...
 $ Flight Distance       : num  460 235 1142 562 214 ...
 $ Inflight wifi service : num  3 3 2 2 3 3 2 4 1 3 ...
 $ Departure/Arrival time convenient: num  4 2 2 5 3 4 4 3 2 3 ...
 $ Ease of Online booking : num  3 3 2 5 3 2 2 4 2 3 ...
 $ Food and drink        : num  5 1 5 2 4 1 2 5 4 2 ...
 $ Online boarding       : num  3 3 5 2 5 2 2 5 3 3 ...
 $ Seat comfort          : num  5 1 5 2 5 1 2 5 3 3 ...
 $ Inflight entertainment : num  5 1 5 2 3 1 2 5 1 2 ...
 $ On-board service      : num  4 1 4 2 3 3 3 5 1 2 ...
 $ Leg room service      : num  3 5 3 5 4 4 3 5 2 3 ...
 $ Baggage handling      : num  4 3 4 3 4 4 4 5 1 4 ...
 $ Checkin service       : num  4 1 4 1 3 4 3 4 4 4 ...
 $ Inflight service      : num  5 4 4 4 3 4 5 5 1 3 ...
 $ Cleanliness           : num  5 1 5 2 3 1 2 4 2 2 ...
 $ Departure Delay in Minutes : num  25 1 0 11 0 0 9 4 0 0 ...
 $ Arrival Delay in Minutes : num  18 6 0 9 0 0 23 0 0 0 ...
 $ satisfaction          : num  0 0 1 0 1 0 0 1 0 0 ...
 $ Business              : num  0 1 1 1 1 0 0 1 1 0 ...
 $ Eco                   : num  0 0 0 0 0 1 1 0 0 1 ...
 $ Eco Plus              : num  1 0 0 0 0 0 0 0 0 0 ...

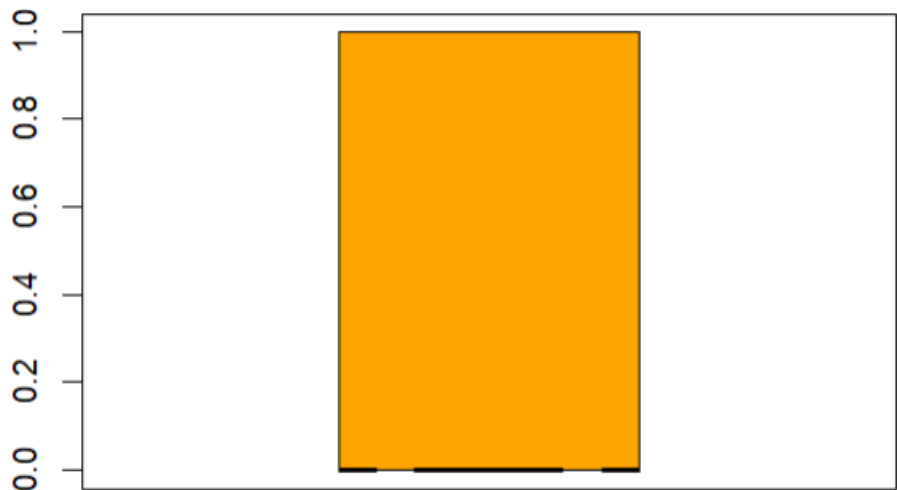
```

Variable	Definition	Mean	Std. Dev.	Min	Max
Gender	Gender of the passengers (Female, Male)	0.49259	0.499947	0	1
Customer Type	The customer type (Loyal customer, disloyal customer)	0.8168619	0.3867812	0	1
Age	The actual age of the passengers	39.42876	15.1176	7	85
Flight Distance	The flight distance of this journey	1190.211	997.561	31	4983
Inflight wifi service	Satisfaction level of the inflight wifi service (0:Not Applicable;1-5)	2.728544	1.329235	0	5
Departure/Arrival time convenient	Satisfaction level of Departure/Arrival time convenient	3.057349	1.526787	0	5
Ease of online booking	Satisfaction level of online booking	2.756786	1.401662	0	5
Food and drink	Satisfaction level of Food and drink	3.204685	1.329905	0	5
Online boarding	Satisfaction level of online boarding	3.25272	1.350651	0	5
Seat comfort	Satisfaction level of Seat comfort	3.441589	1.319168	0	5
Inflight entertainment	Satisfaction level of inflight entertainment	3.358067	1.334149	0	5
On-board service	Satisfaction level of On-board service	3.383204	1.287032	0	5
Leg room service	Satisfaction level of Leg room service	3.351078	1.316132	0	5
Baggage handling	Satisfaction level of baggage handling	3.631886	1.180082	1	5
Checkin service	Satisfaction level of Check-in service	3.306239	1.266146	0	5
Inflight service	Satisfaction level of inflight service	3.642373	1.176614	0	5
Cleanliness	Satisfaction level of Cleanliness	3.286222	1.313624	0	5
Departure Delay in Minutes	Minutes delayed when departure	14.64339	37.93287	0	1592
Arrival Delay in Minutes	Minutes delayed when Arrival	15.09113	38.46565	0	1584
Satisfaction	Airline satisfaction level(Satisfaction, neutral or dissatisfaction)	0.4344992	0.495693	0	1
Business	Travel class in the plane of the passengers	0.4787353	0.4995495	0	1
Eco	Travel class in the plane of the passengers	0.448825	0.4973761	0	1
Eco plus	Travel class in the plane of the passengers	0.0724397	0.2592156	0	1

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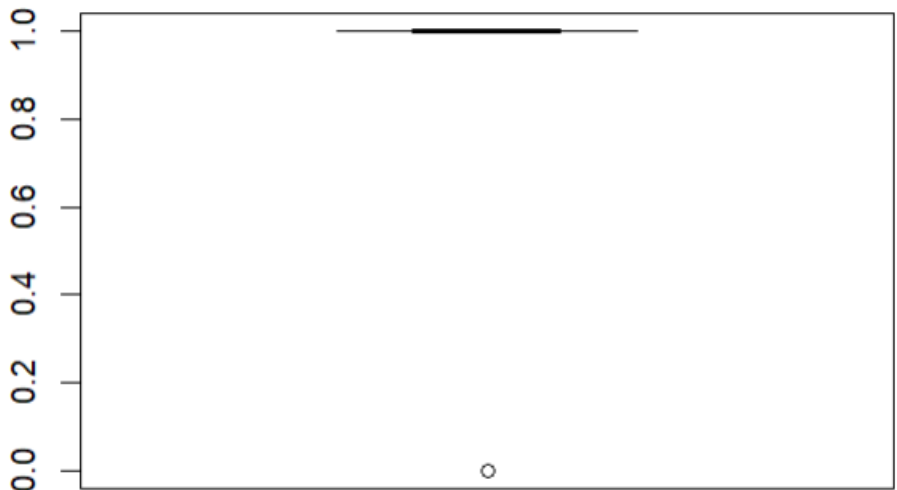
I prefer to choose the Box plot of departure/arrival time convenience, flight distance, departure delay in minutes, arrival delay in minutes, check-in service, inflight service and seat comfort.

Box plot



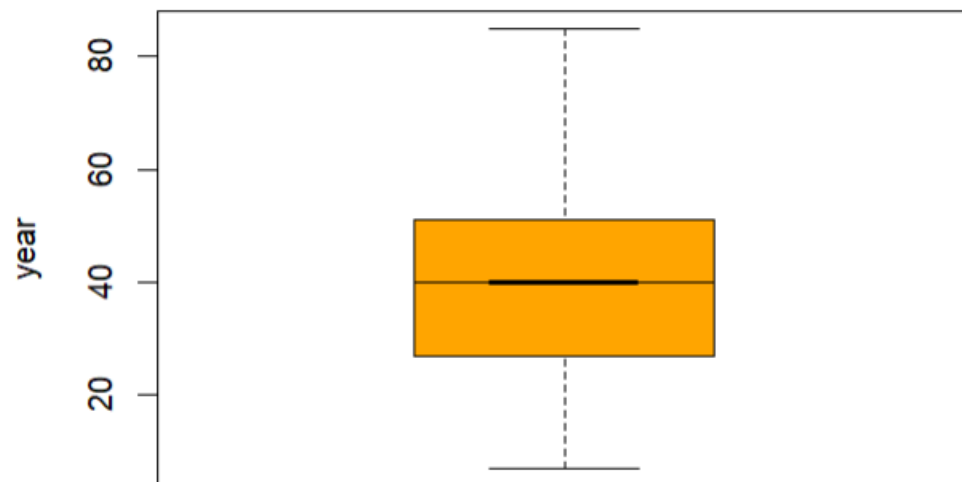
Gender

Box plot



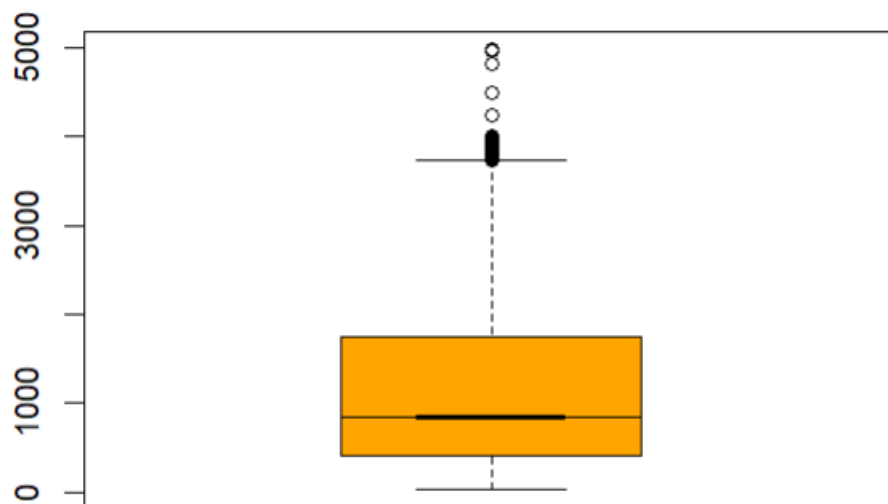
Customer Type

Box plot



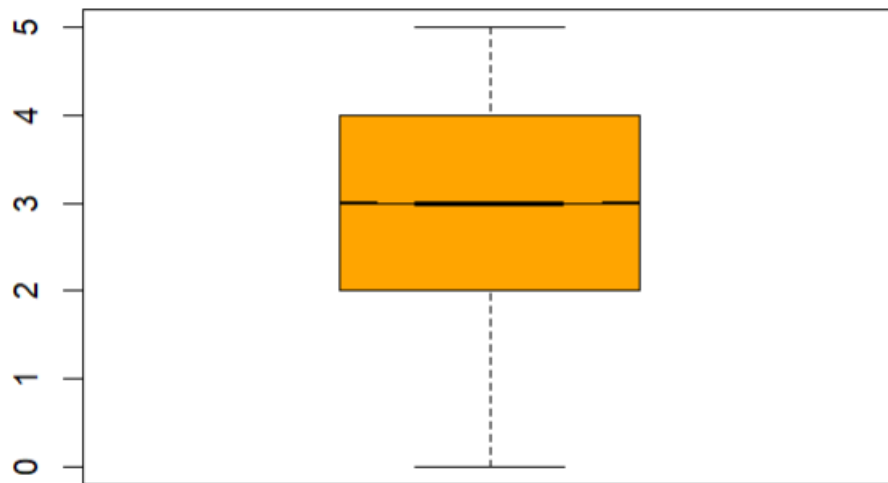
Age

Box plot



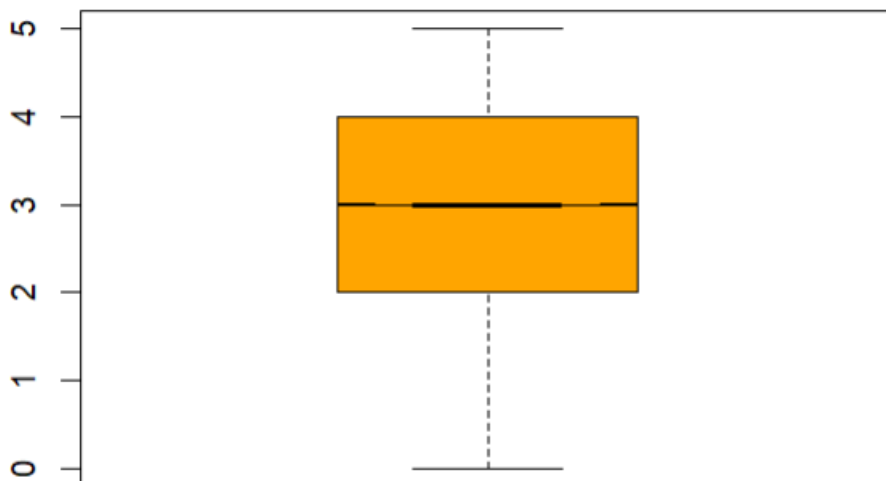
Flight Distance

Box plot



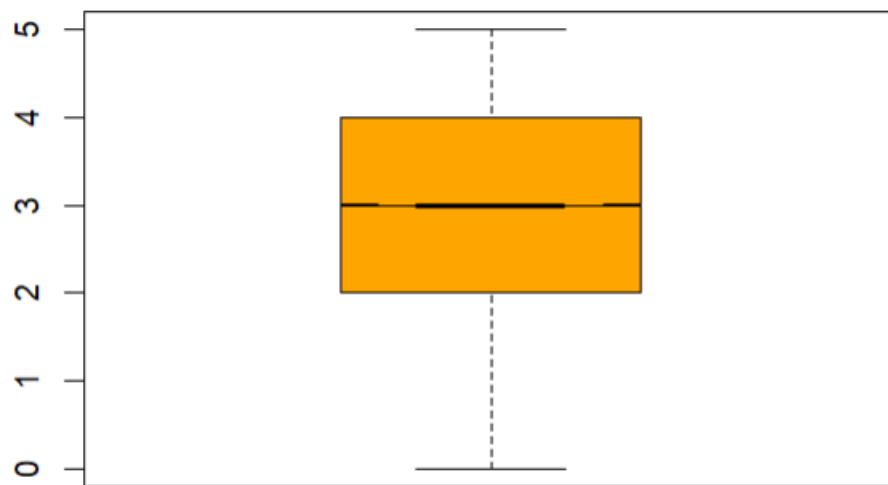
Inflight wifi service

Box plot



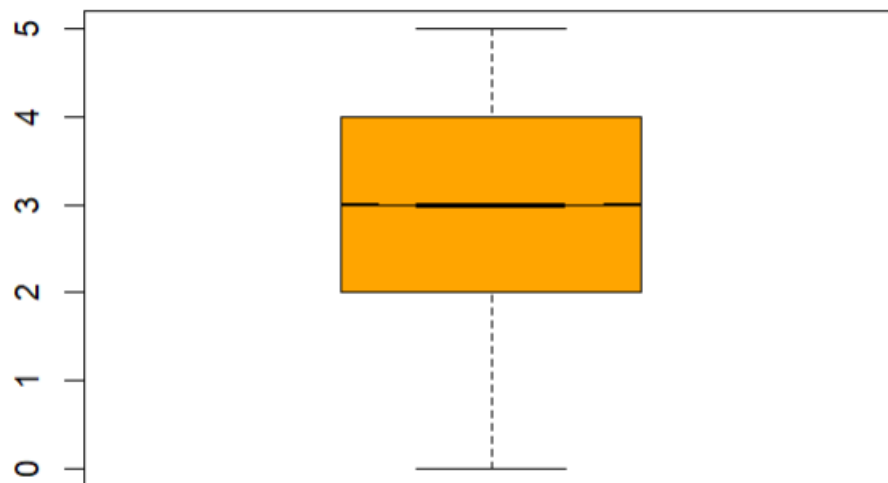
Departure/Arrival time convenient

Box plot



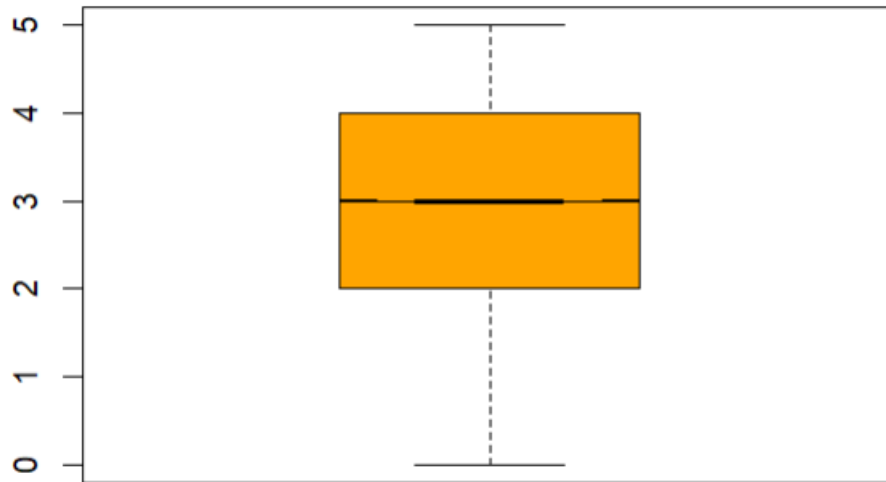
Ease of Online booking

Box plot



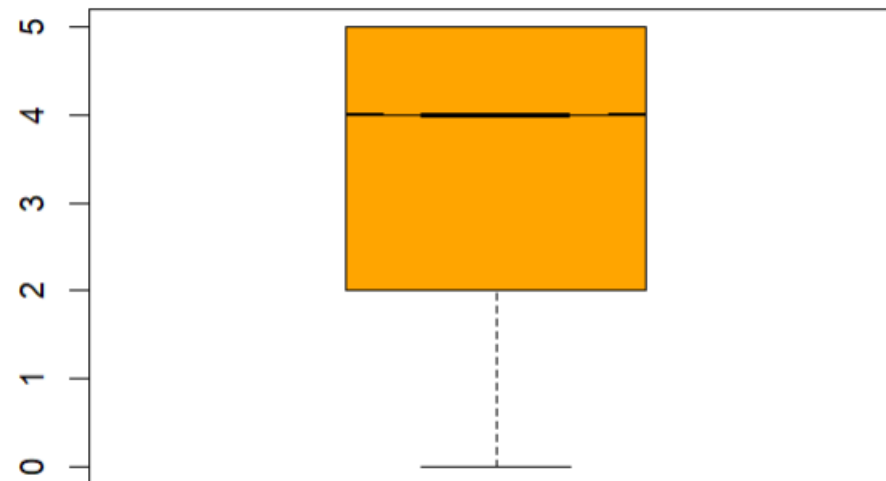
Food and drink

Box plot



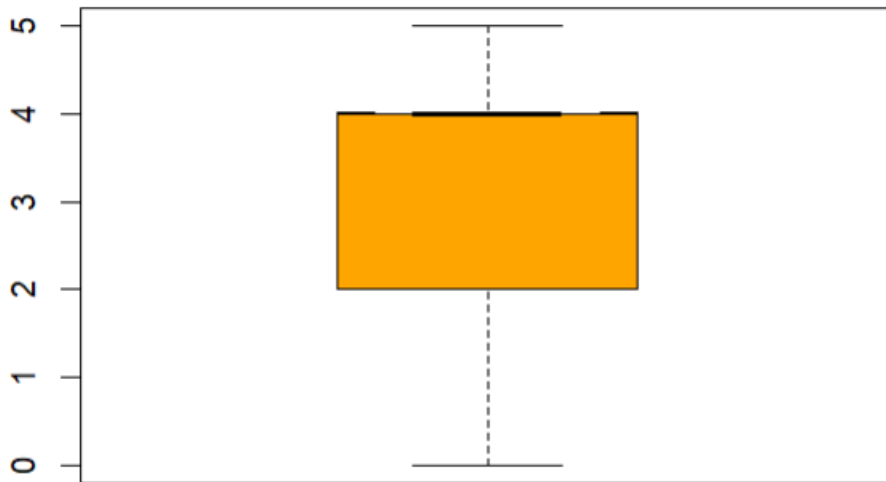
Online boarding

Box plot



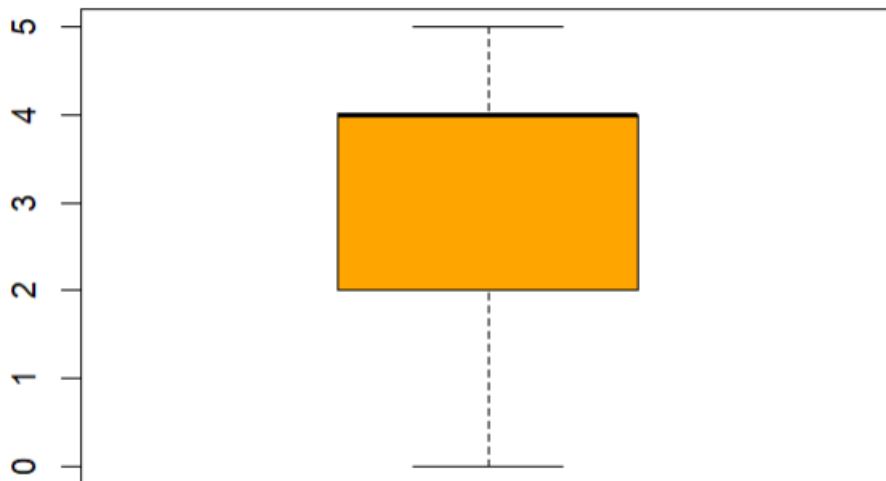
Seat comfort

Box plot



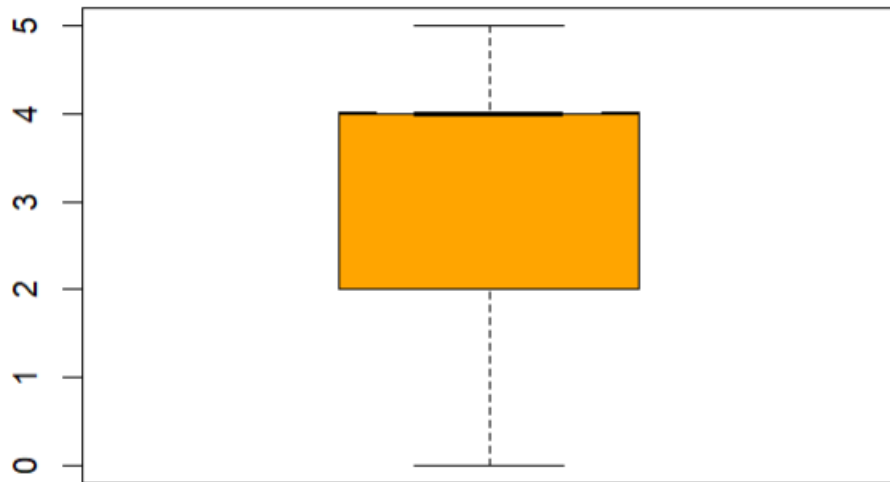
Inflight entertainment

Box plot



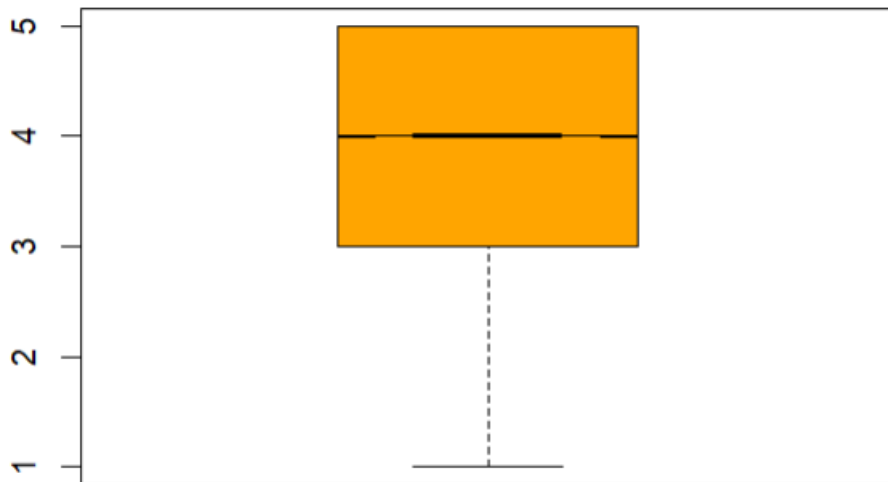
On-board service

Box plot



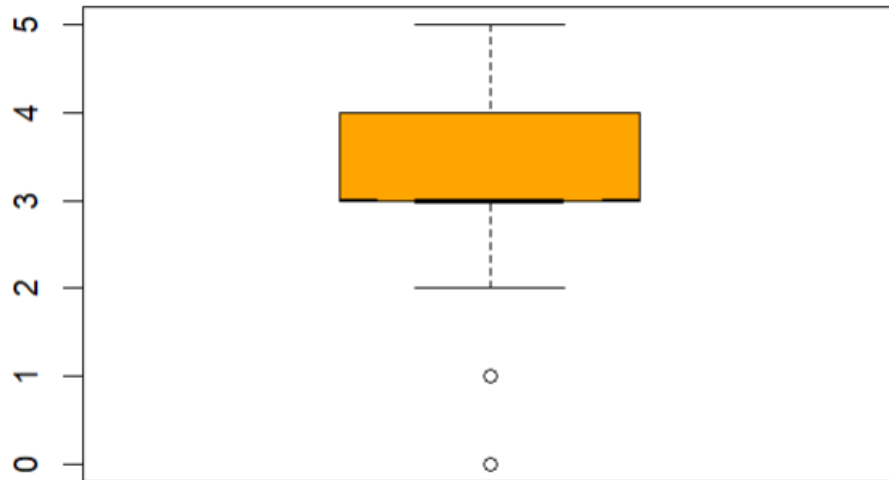
Leg room service

Box plot



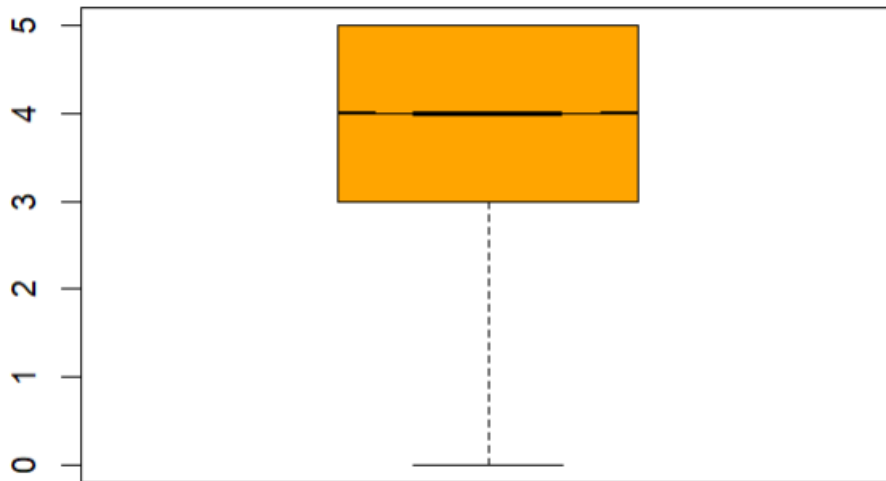
Baggage handling

Box plot



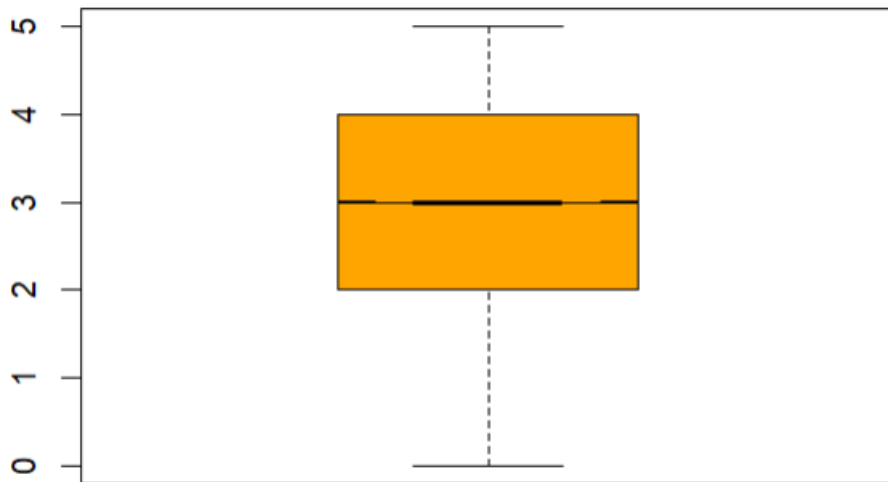
Checkin service

Box plot



Inflight service

Box plot



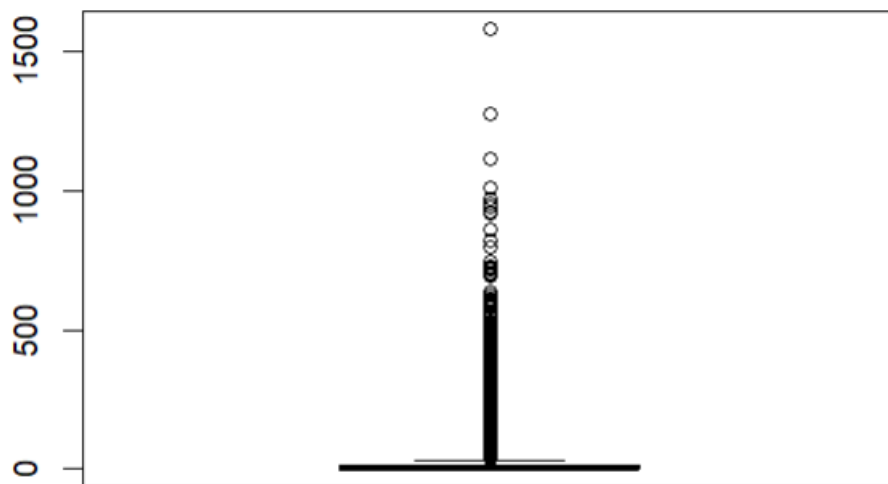
Cleanliness

Box plot



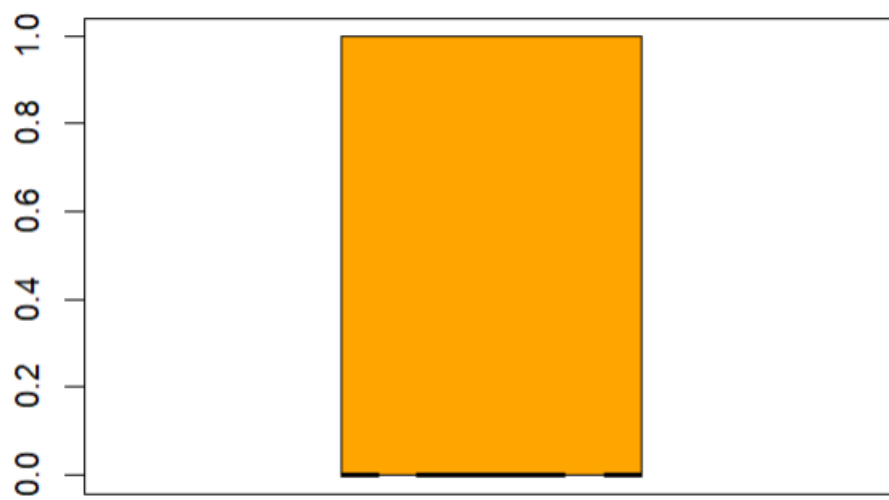
Departure Delay in Minutes

Box plot



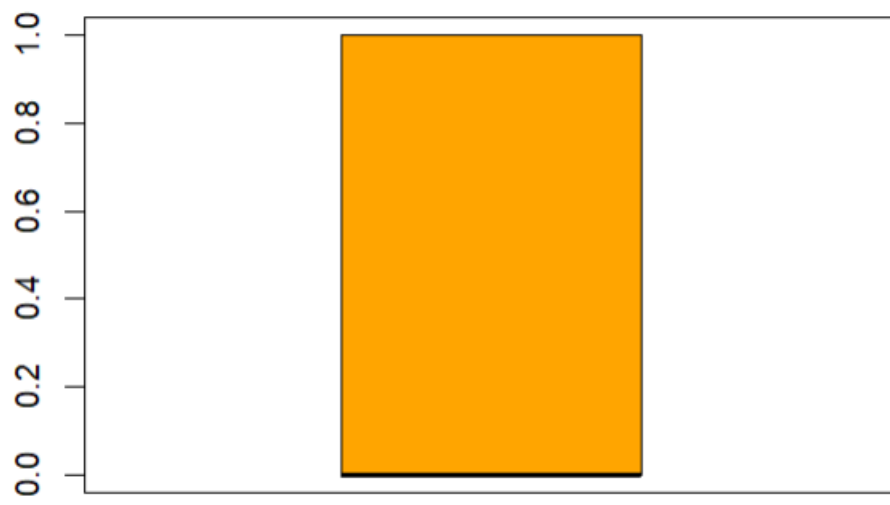
Arrival Delay in Minutes

Box plot



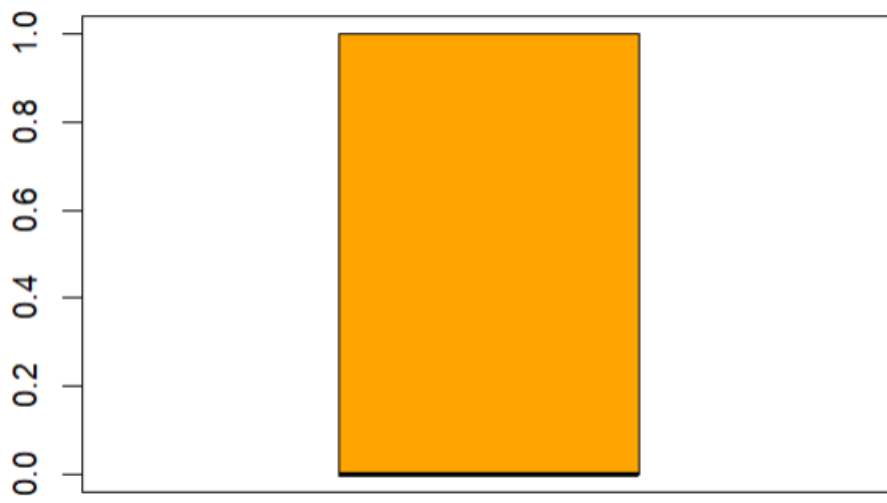
satisfaction

Box plot



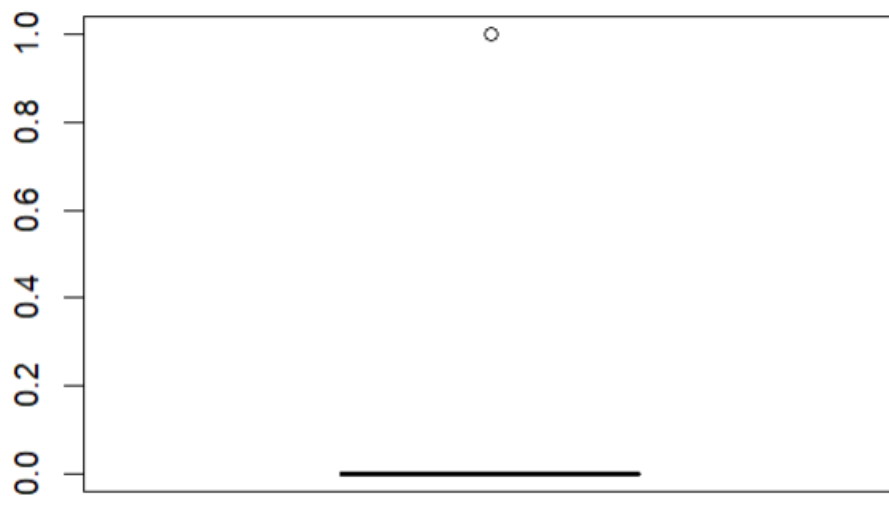
Business

Box plot



Eco

Box plot



Eco Plus