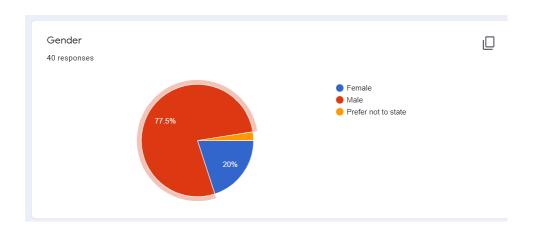
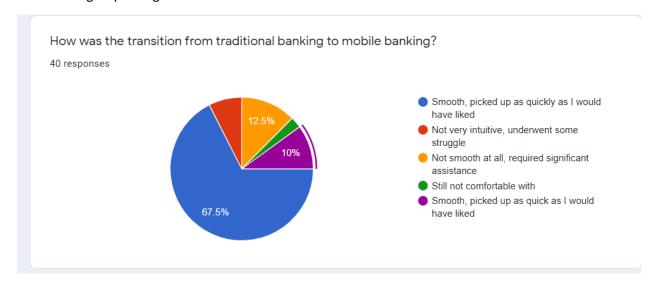
Hypothesis Testing

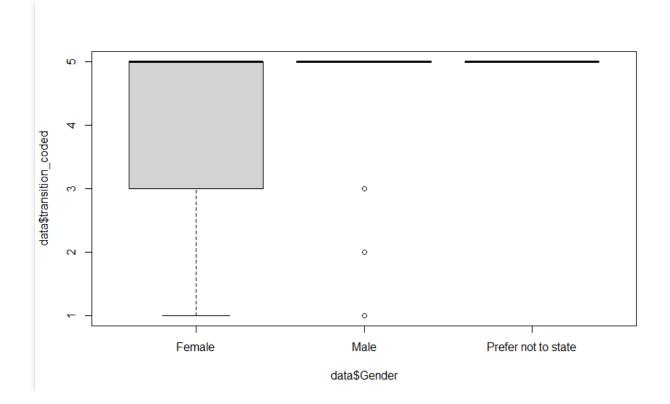
Null Hypothesis: The perception of the transition smoothness (from tradition to mobile banking) is indifferent to gender

Alternative Hypothesis: Gender plays a role in the transition smoothness



Note in the below chart 'smooth, picked up quick(ly)' has two variations' due to the wording correction. Need to be grouped together.





| | Female | маlе | Prefer | not | to | state |
|----------|--------|------|--------|-----|----|-------|
| 1 | 0 | 1 | | | | 0 |
| 2 | 0 | 5 | | | | 0 |
| 3 | 2 | 1 | | | | 0 |
| 5 | 6 | 24 | | | | 1 |
| ~ 1 | | | | | | |

Here

Still not comfortable with - 1

Not smooth at all, required significant assistance - 2

Not very intuitive, underwent some struggle - 3

Smooth, picked up as quickly as I would have liked – 5

Chi-Squared test to measure the difference

chisq.test(c(df\$smoothness,df\$smoothness), c(df\$male,df\$female))

Not enough evidence to reject the null hypothesis.

Fails to reject the null hypothesis that is the transition smoothness is indifferent to Gender.

The data is less than 5 even. So Chi-Squared rule of thumb also not covered.

Hypothesis Test 2

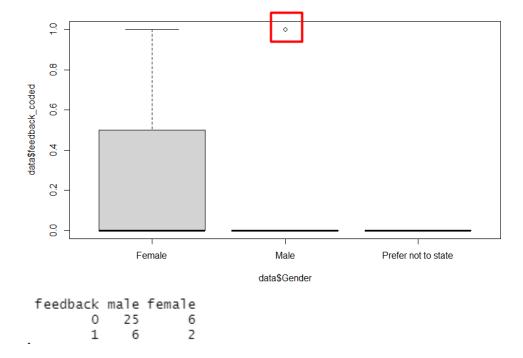
Null Hypothesis: The feedbacks (optional) received in this particular Questionnaire are equally given by Males and Females

Alternative Hypothesis: Females has given more feedback.

Will check for the statistical significance with the available (limited) data.

Feedback given - 1

Feedback not given - 0



Chi-Squared test to measure the difference

Because the p-value is 0.37 > 0.05, the test is inconclusive.

Hypothesis Testing 3

Null Hypothesis: The perception/sentiment towards mobile banking is same for Gender

Alternative Hypothesis: Gender plays a role in the sentiment towards mobile banking

Mobile banking is way better than traditional banking - 5

Mobile banking is somewhat convenient compared to traditional banking - 3

Not much of a difference - 2

Mobile banking is a hassle (less trustworthy or due to any other down sides) compared to traditional banking - 1