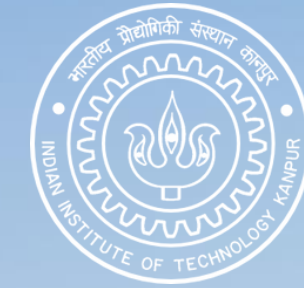


Week-06-L-05

ICT & Digital Applications

Digital Tools- In Android ✓

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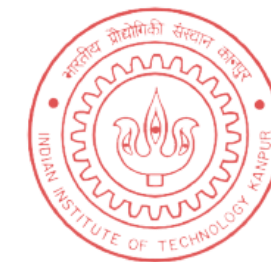
Digital Tools



- So we've covered MS Excel for analyzing our data using a desktop or a laptop, but in today's era when we want to move things even more quickly & smoothly, we want solutions which are even more convenient to use.
- So here we present a couple of applications which are particularly available for android based smartphones.

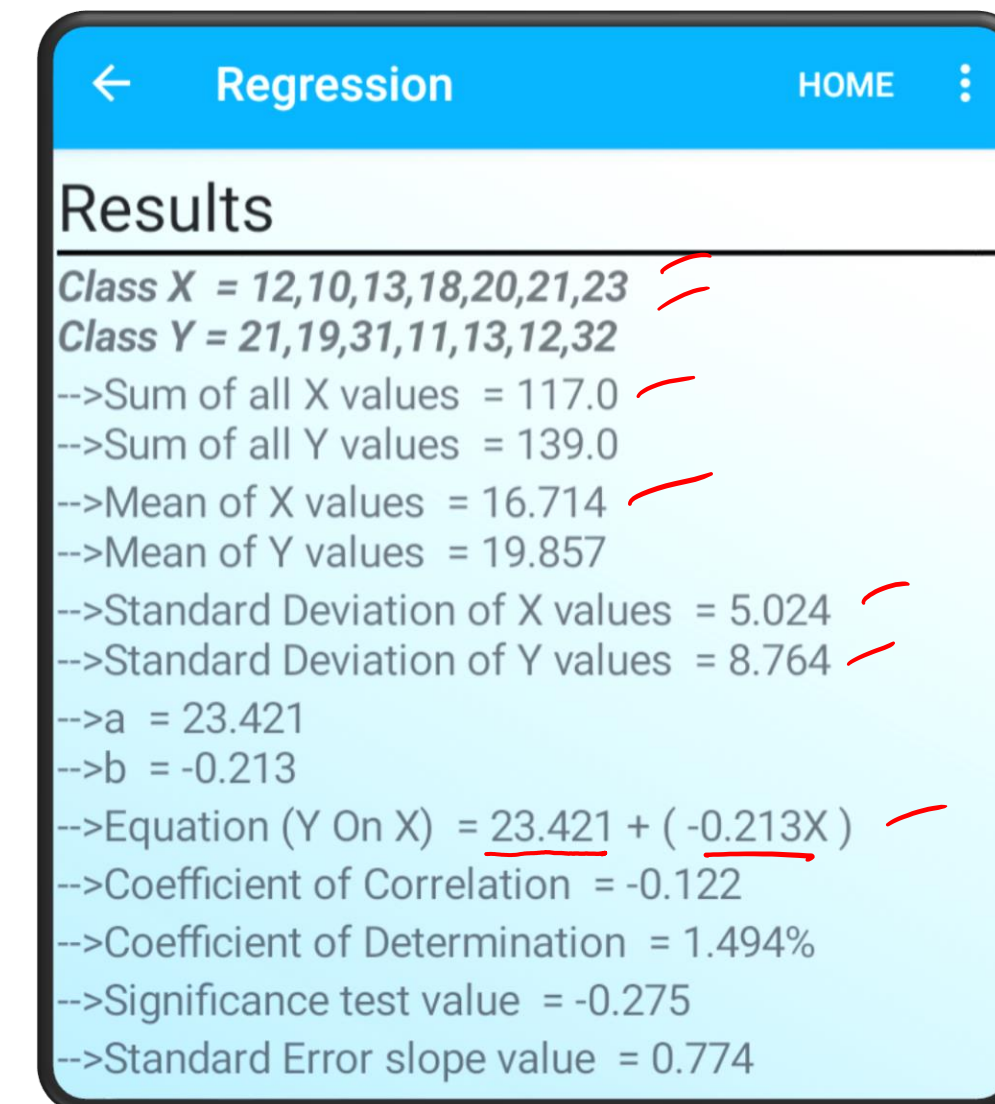
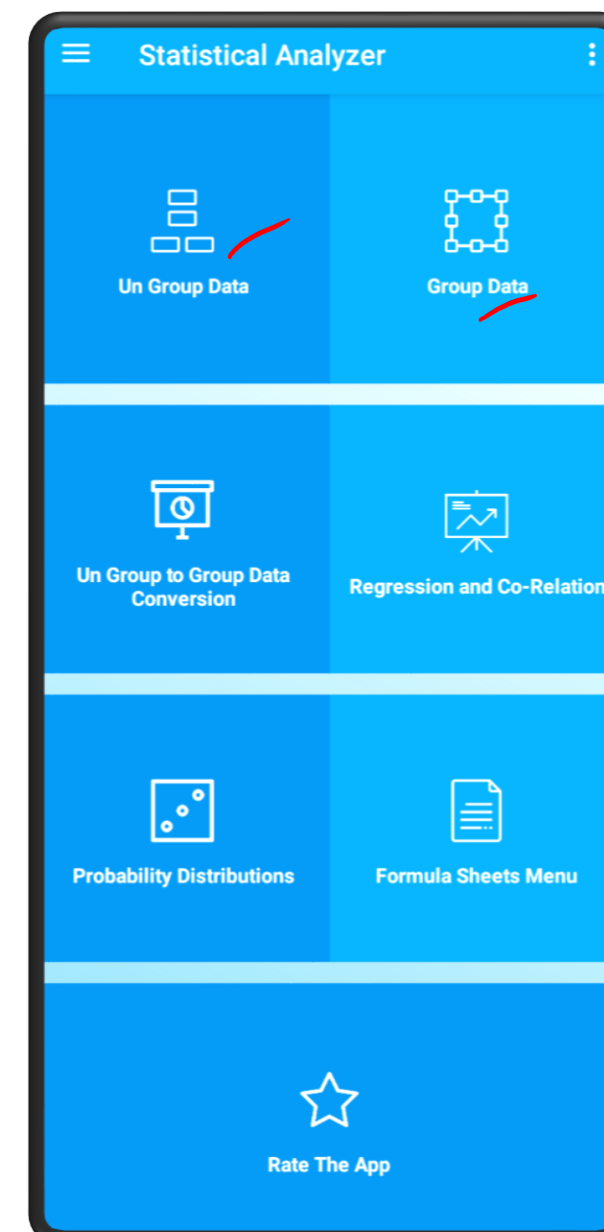
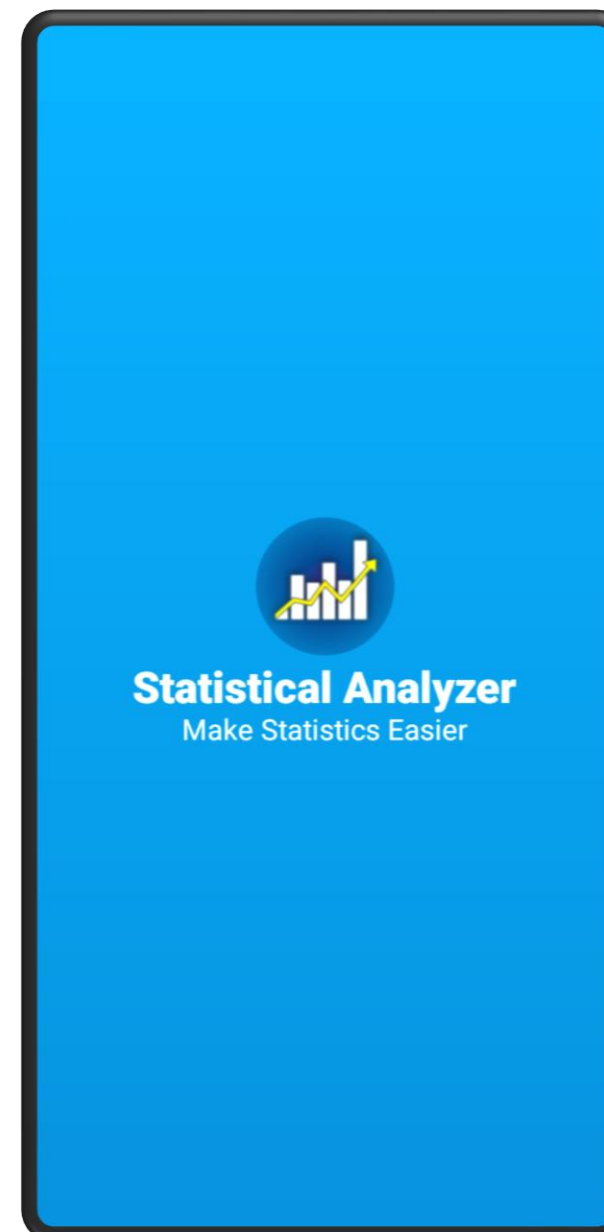


Application-1



Statistical Analyzer

- This is the interface of the application.
- In Un-Group data you get:
 - Variance
 - Range
 - Standard Deviation
 - Mean, Median & Mode
- In group data you get all the values mentioned above but for a series like 1-10 & so on.
- Formula sheets are provided for better understanding.

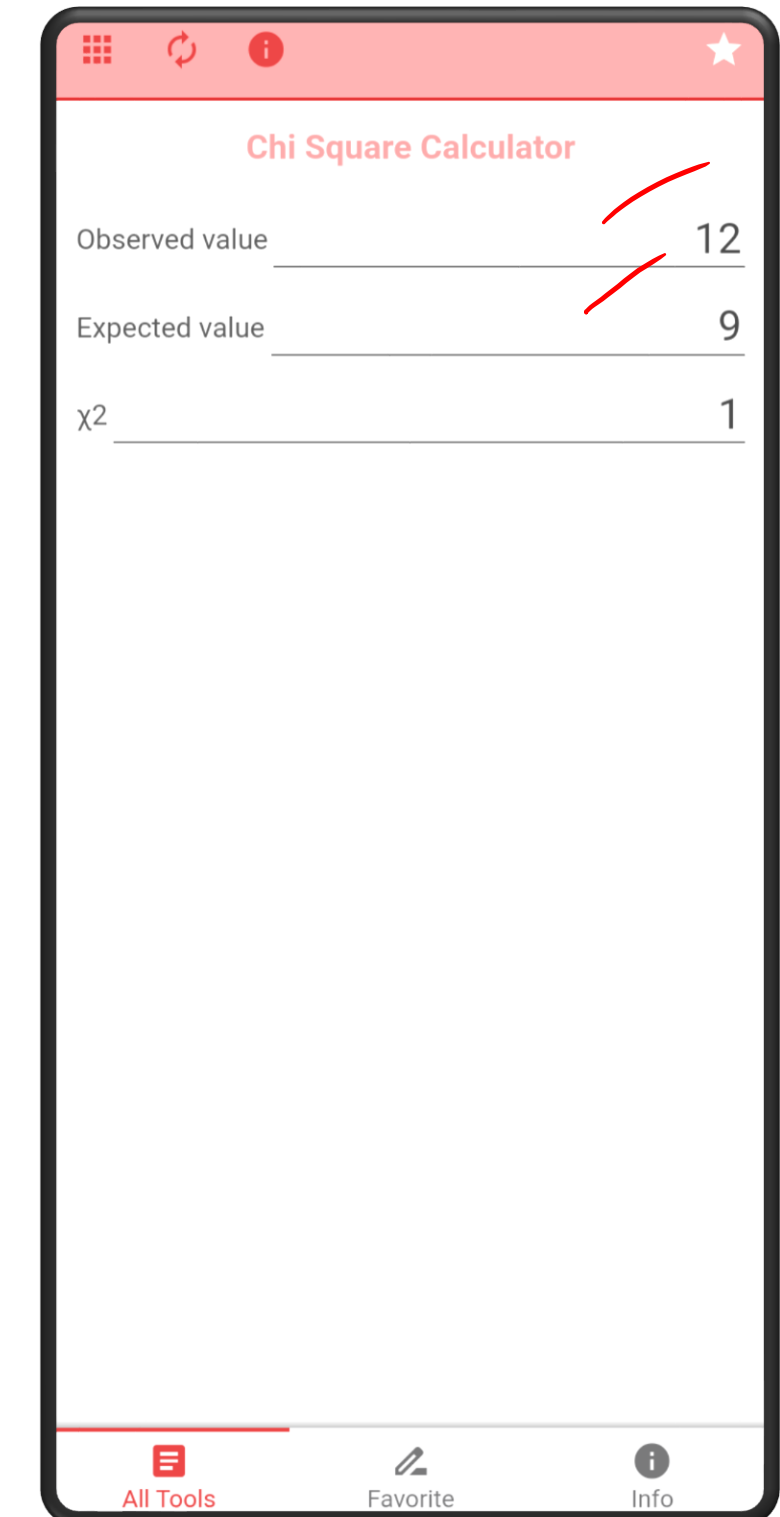
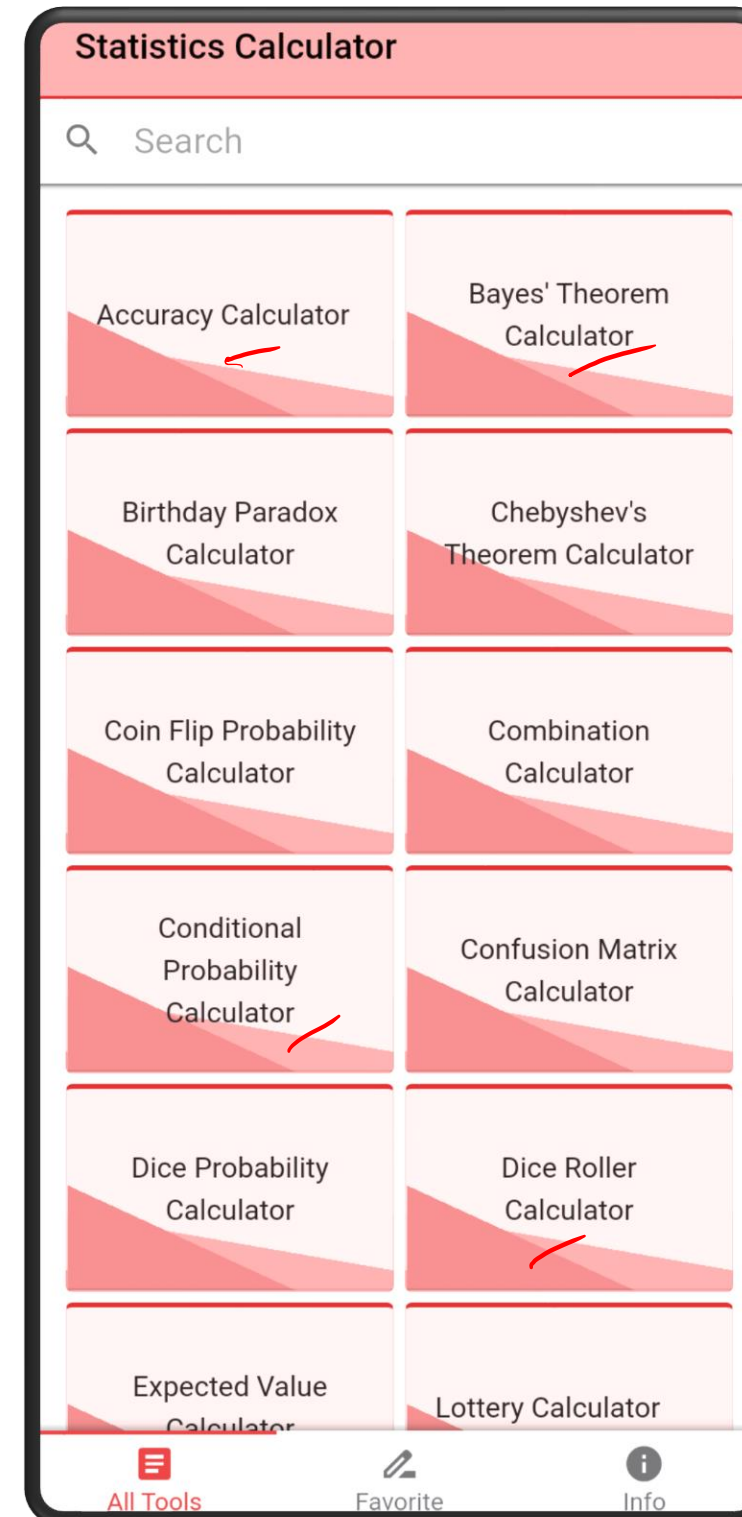


Application-2

Statistics Calculator



- This is the interface of the application.
- You can enter the values and then further the application would further do the work.

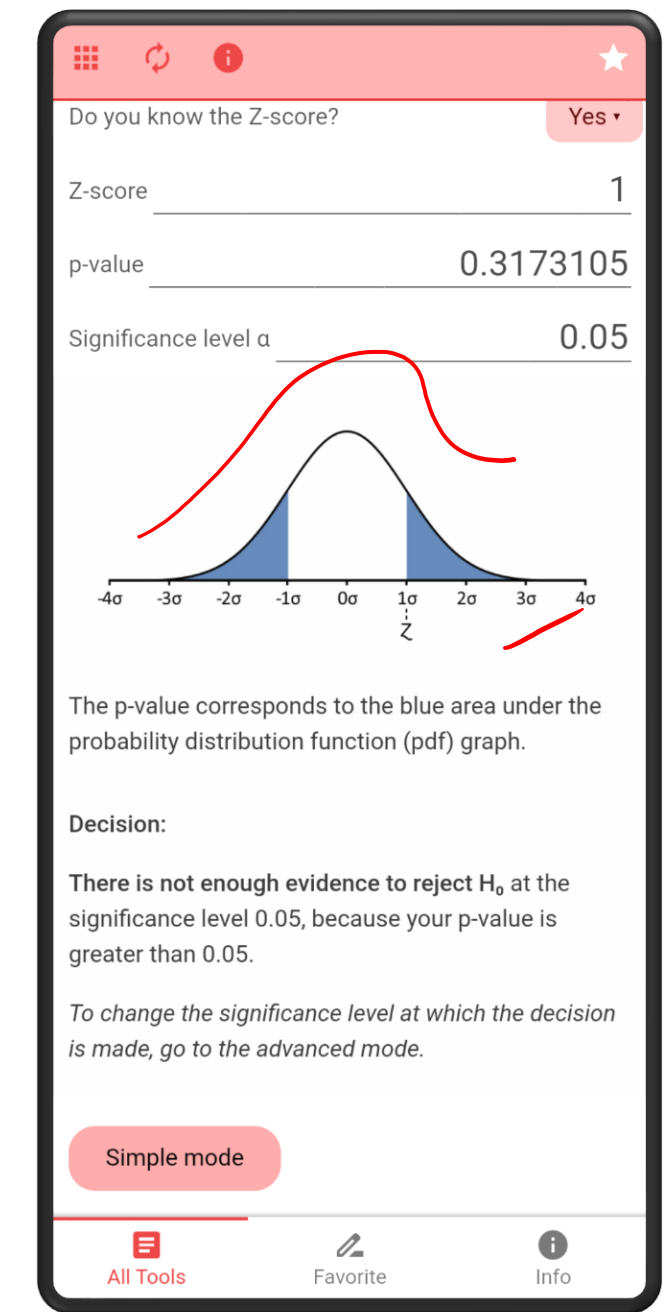
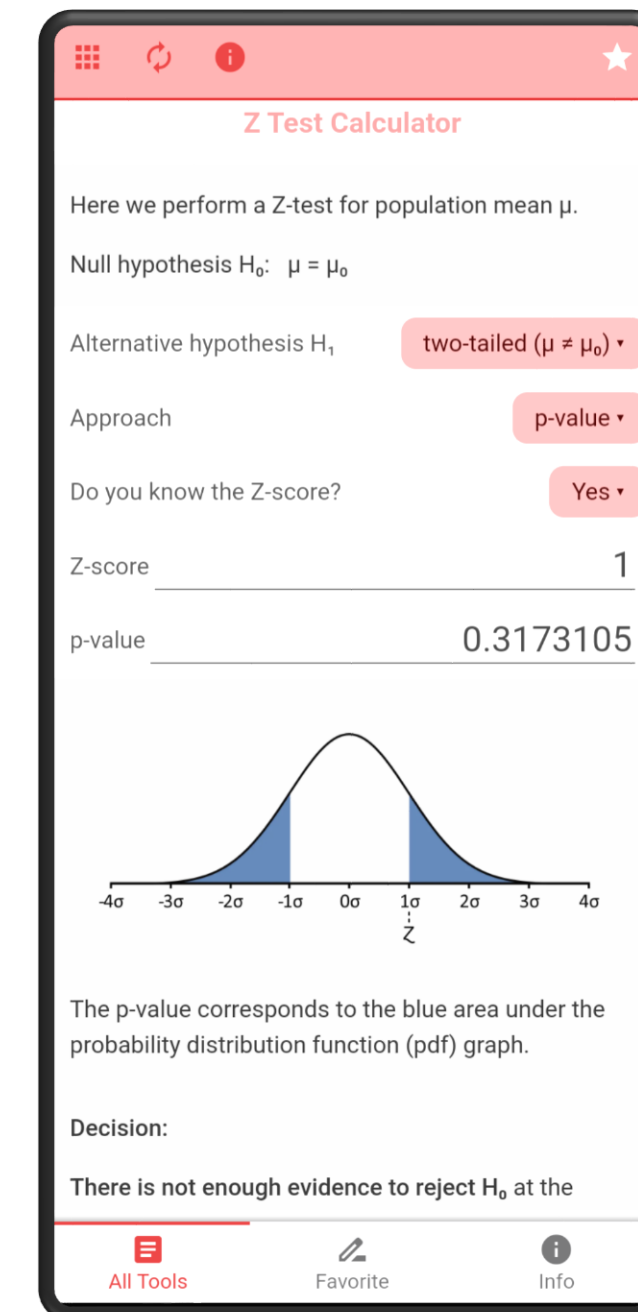
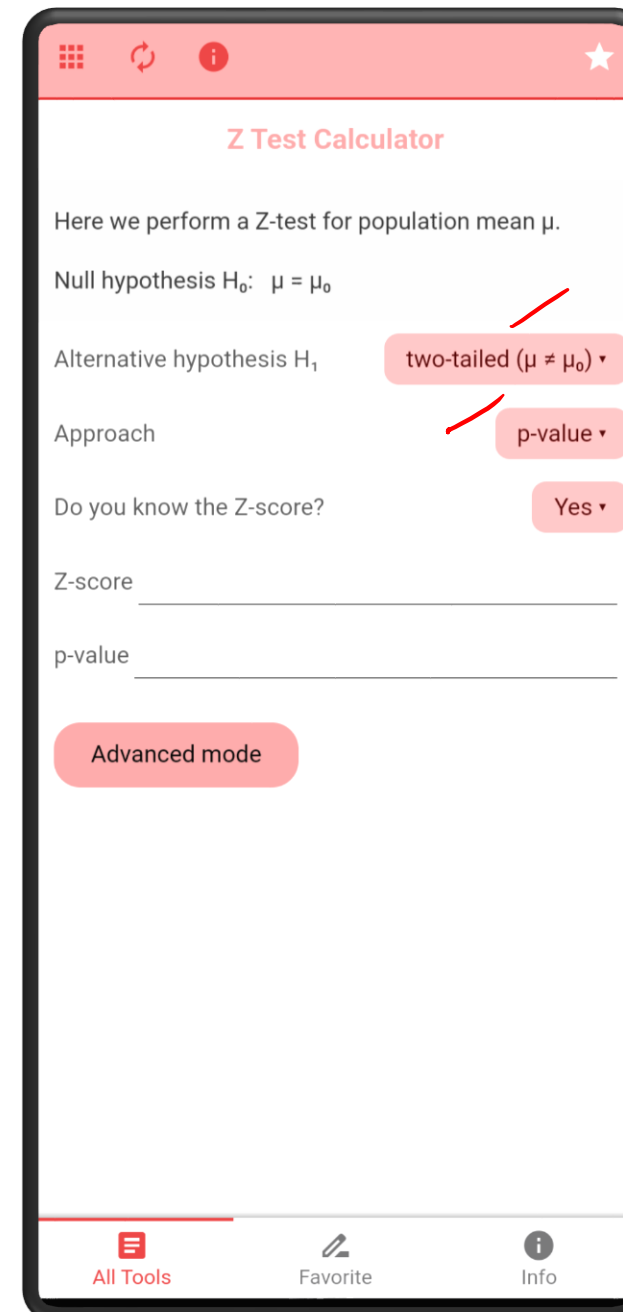


Application-2

Statistics Calculator



- We've shown how Z-Test is done.
- You can enter the values and then further the application would further do the work.
- There's the advanced mode also clicking on which you gives you even more information about the test.

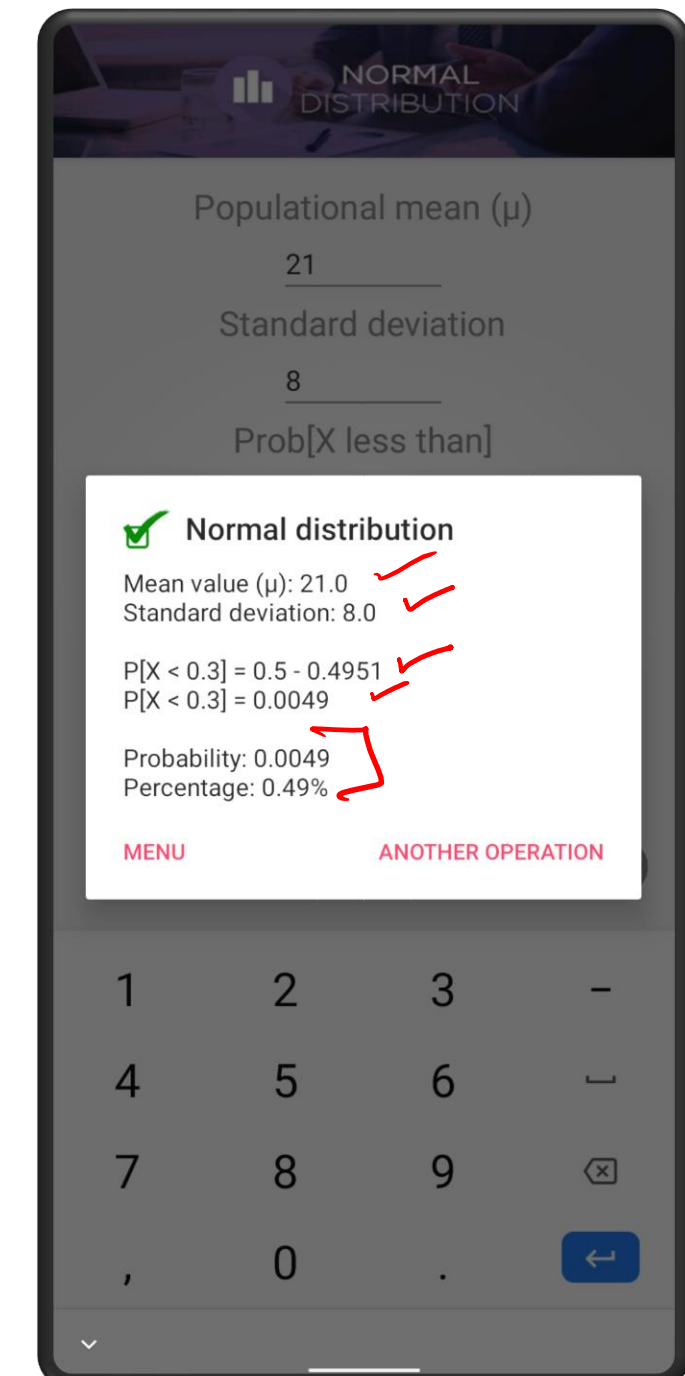
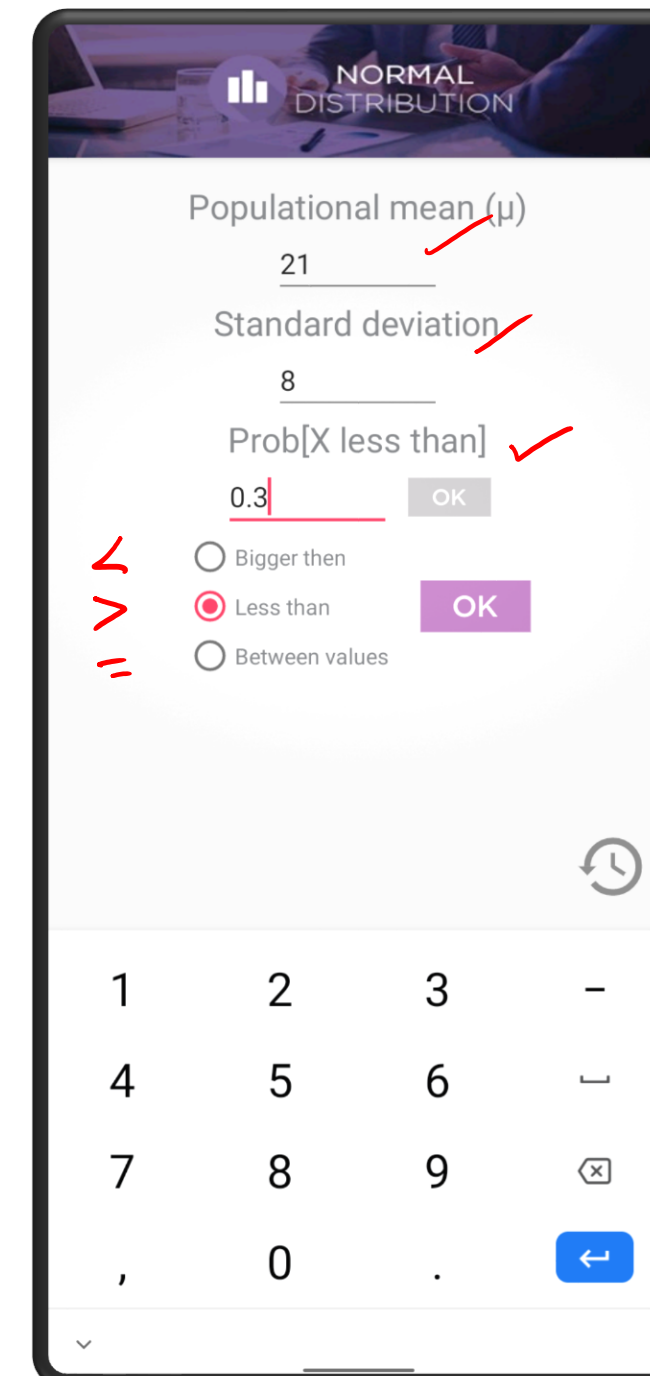


Application-3

Statistics Calculator



- This is the interface of the application.
- You can enter the observations and then further the application would further do the work.
- Besides we've shown how normal distribution is done in the application.

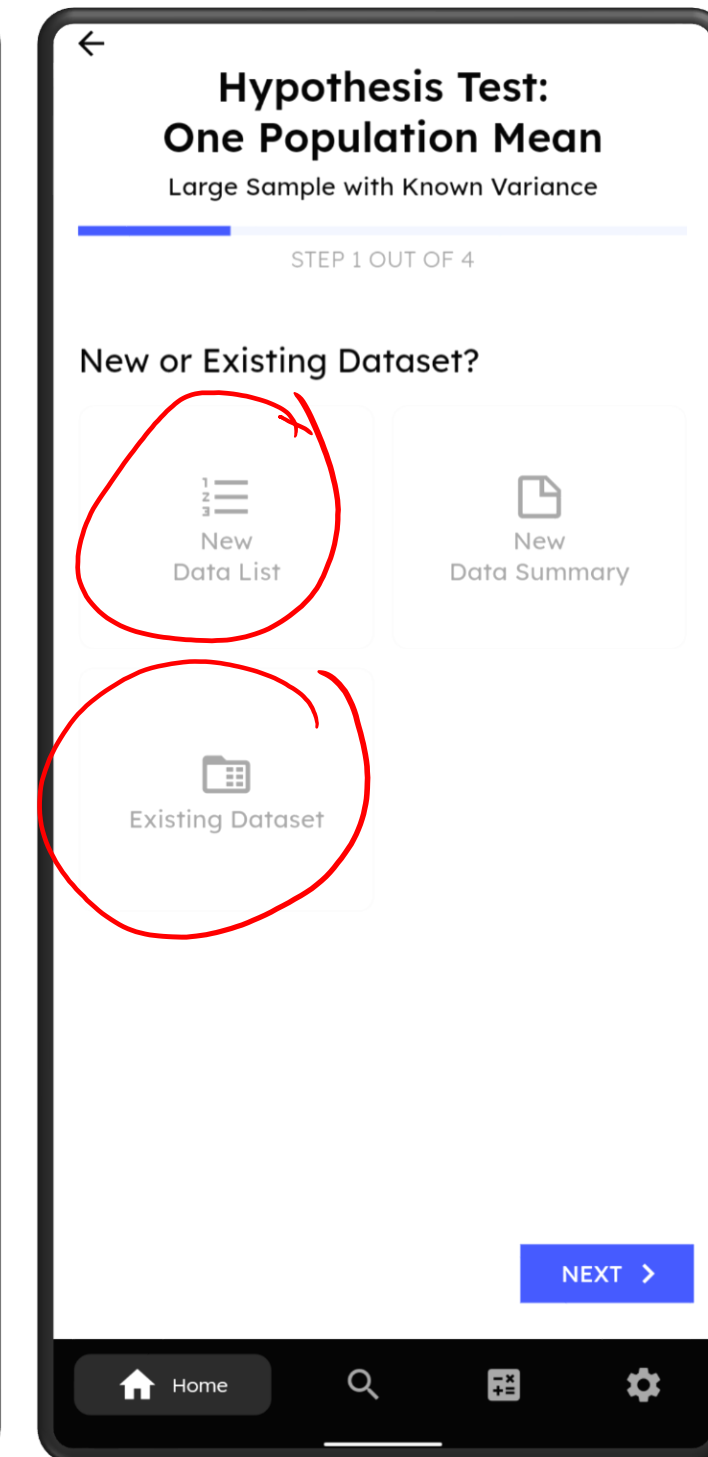
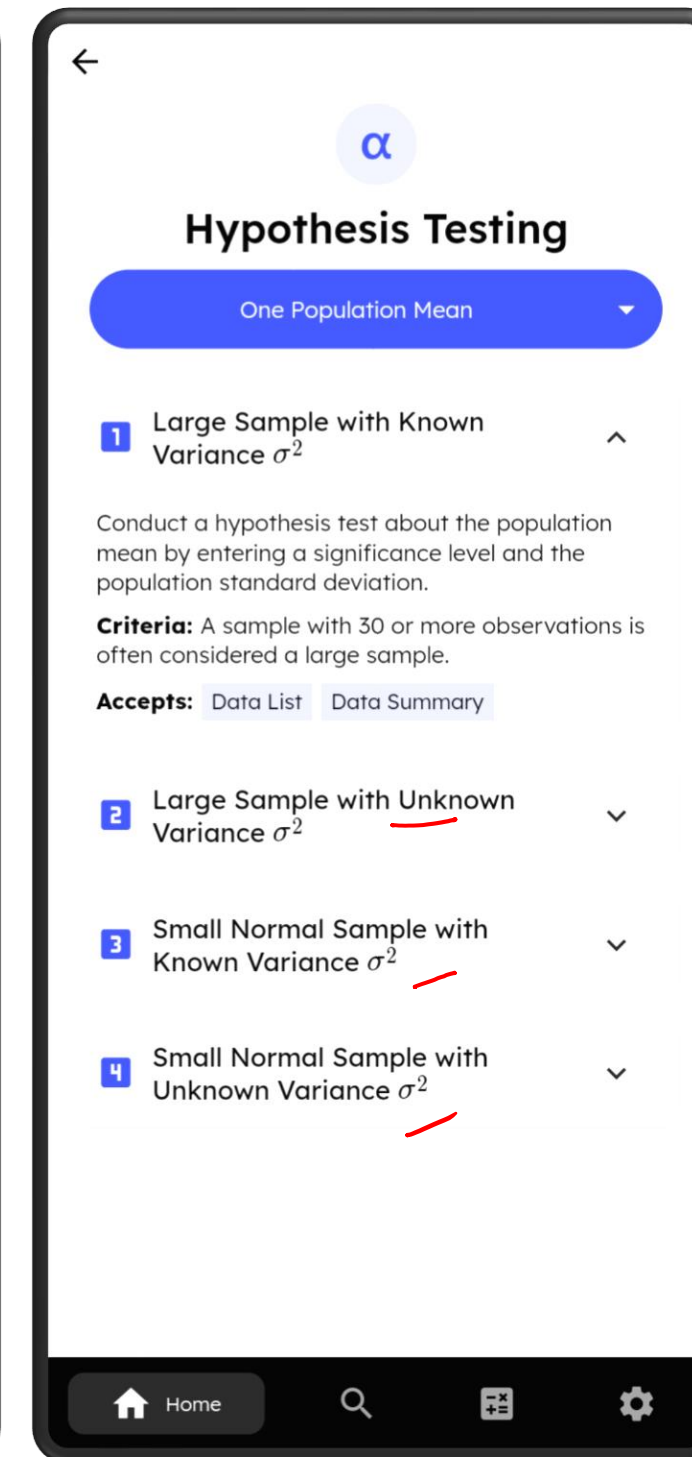
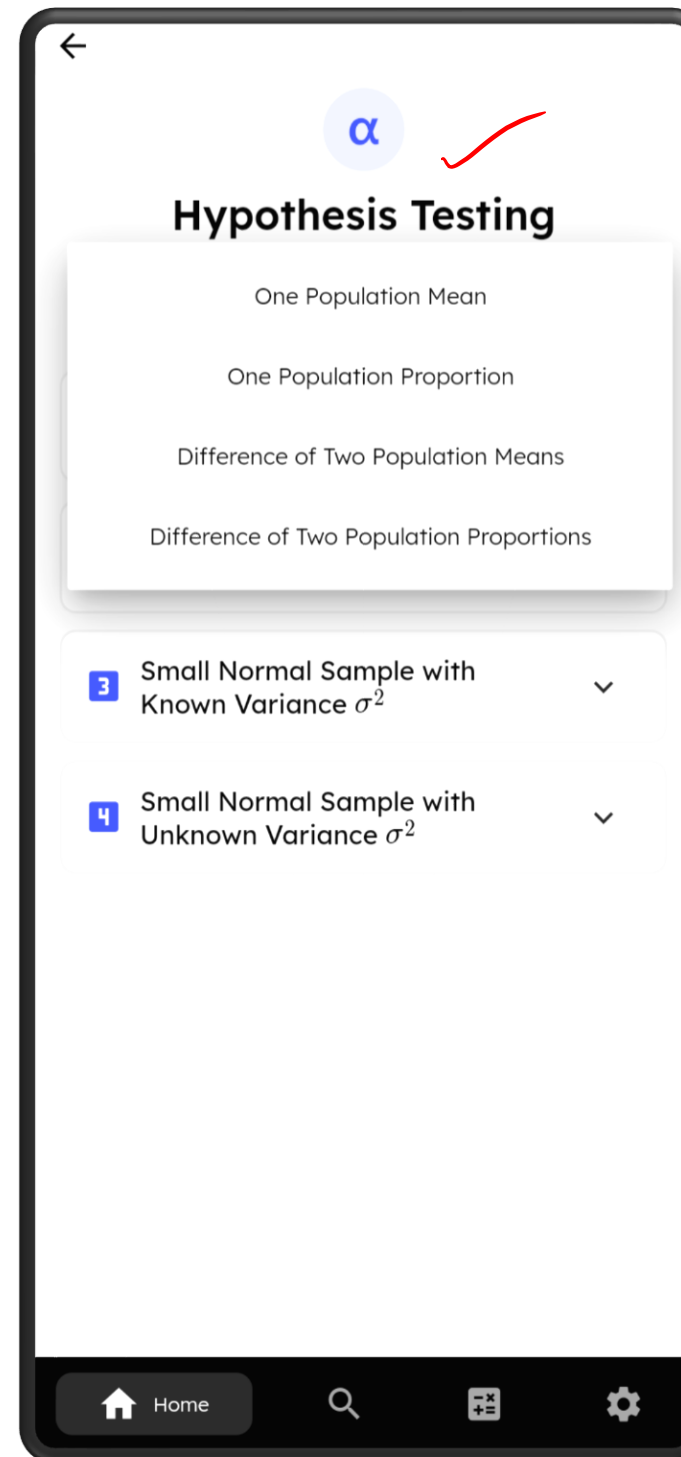
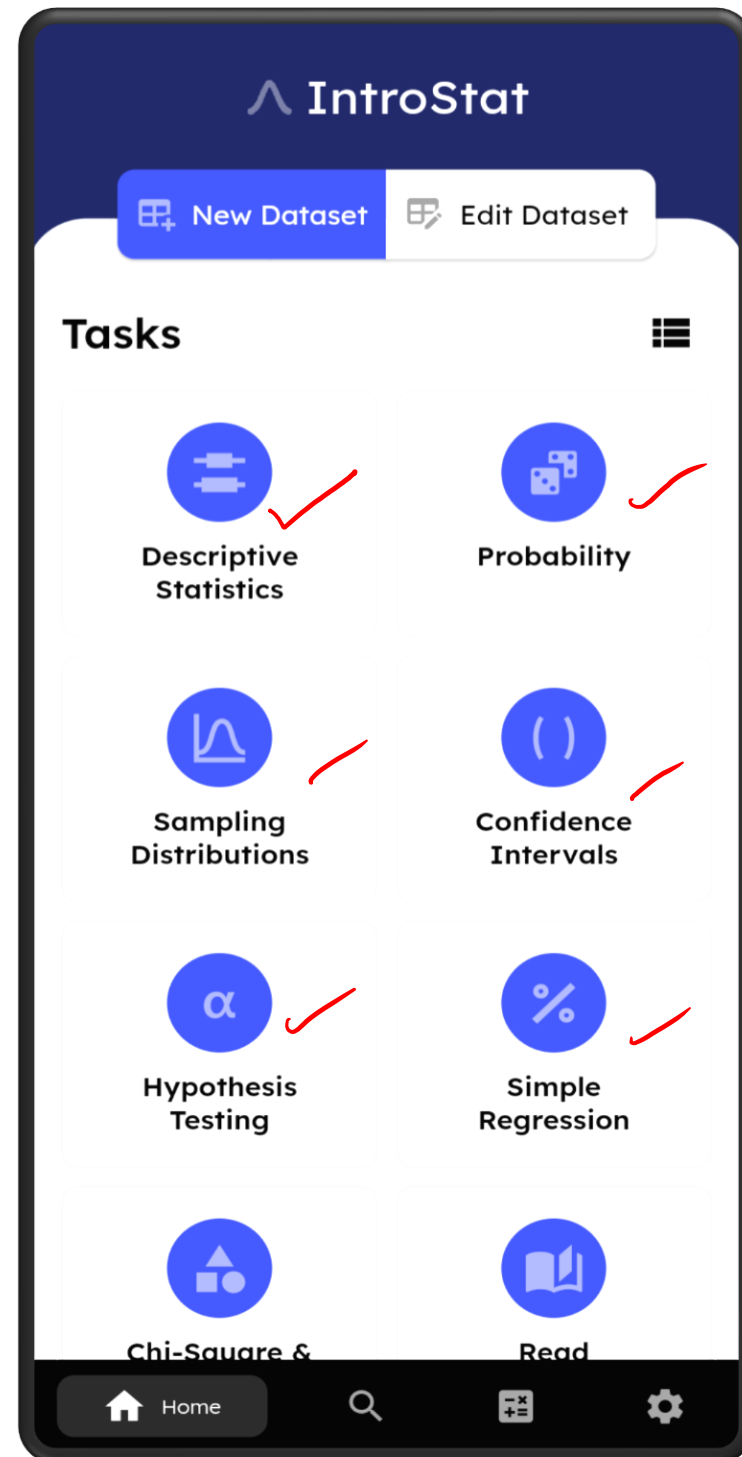


Application-4

Intro Stats



- This is the interface of the application.



Application-4

Intro Stats



Hypothesis Test: One Population Mean

Large Sample with Known Variance

STEP 1 OUT OF 5

New or Existing Dataset?

New Data List

New Data Summary

Existing Dataset

NEXT >

Hypothesis Test: One Population Mean

Large Sample with Known Variance

STEP 2 OUT OF 5

Select Dataset

All (4) Data List (3) Data Summary (1)

DEMO-DSLST Data List • Example

DEMO-1MLONG Data List • Example

DEMO-1MSHOR Data List • Example

DEMO-1MSUMM Data Summary • Example

PREV < NEXT >

Hypothesis Test: One Population Mean

Large Sample with Known Variance

STEP 3 OUT OF 5

Modify Data

Save As

#	Sample 1	
1	3.8	
2	2.93	
3	3.4	
4	3.2	
5	3.52	
6	3.68	
7	3.41	
8	3.71	
9	3.75	
10	3.35	

PREV < NEXT >

Hypothesis Test: One Population Mean

Large Sample with Known Variance

STEP 4 OUT OF 5

Define Values

Select Hypothesis Test

Left-Tailed: $H_0: \mu = \mu_0$ vs $H_a: \mu < \mu_0$

Right-Tailed: $H_0: \mu = \mu_0$ vs $H_a: \mu > \mu_0$

Two-Tailed: $H_0: \mu = \mu_0$ vs $H_a: \mu \neq \mu_0$

Enter Population Standard Deviation

$\sigma = 0.7$

Enter Null Hypothesis

$\mu_0 = 3.5$

Enter Significance Level

$\alpha = 0.05$

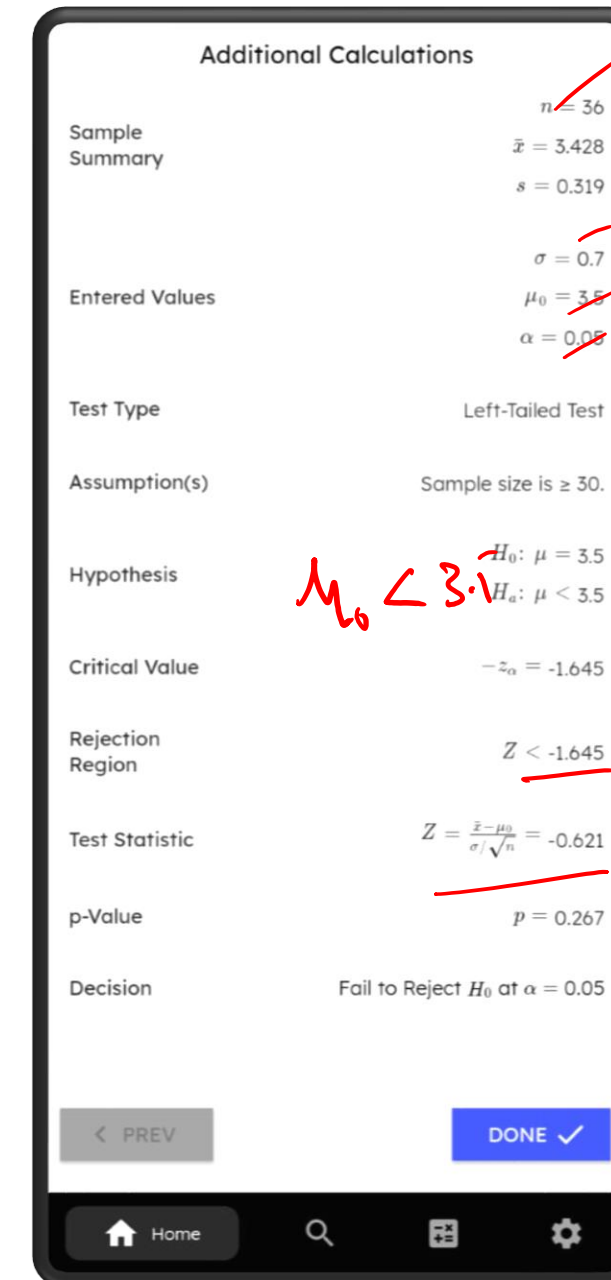
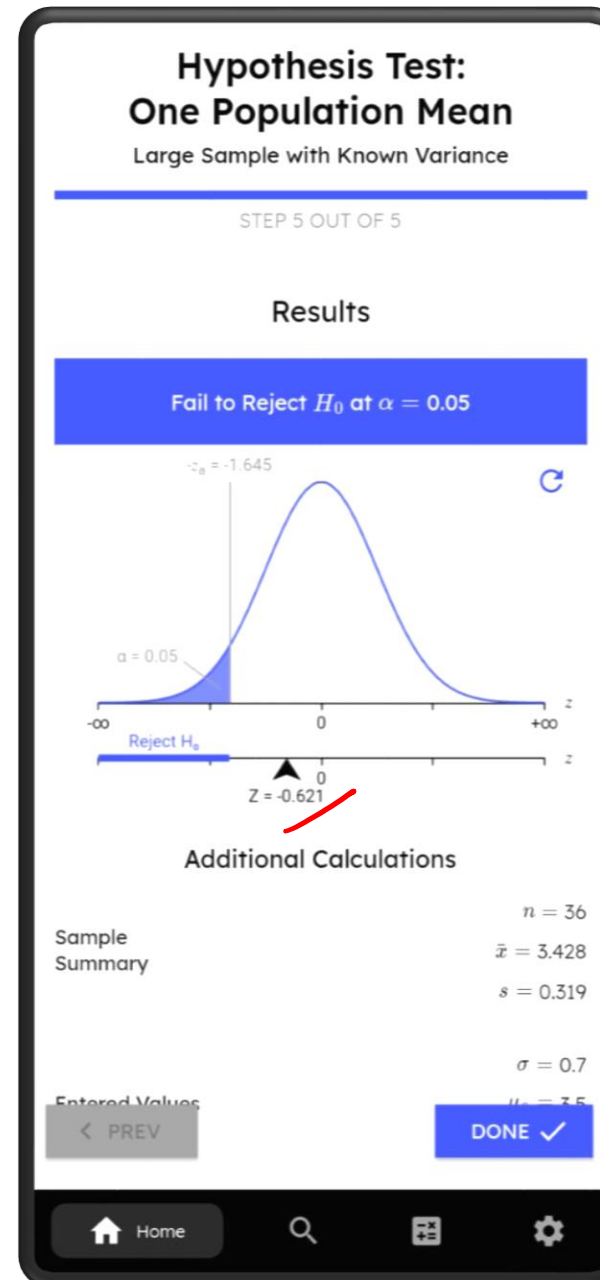
PREV < NEXT >

Application-4

Intro Stats



- Additional Calculations are given as well.



Thank You

