A screenshot of a graph

Description automatically generated

Below are the tasks which were repetitive and used in almost every

Navigate to specific pages:

Navigate to various pages such as heart health, weight intake, calories, steps counter, sleep page, workout page, communities page, feedback page, and settings page.

Read specific information:

Read information like current weight, weight goal, calorie intake, blood pressure measurements, sleep duration, heart rate, BMI statistics, and feedback entries.

Perform specific actions:

Join a community class, add meal information, navigate through weight tracking metrics, select a workout session, book a slot in a community class, and navigate through settings options.

Provide feedback or suggestions:

Share opinions on the design, clarity, readability, and functionality of various app features.

Suggest improvements such as increasing button visibility, improving text size and readability, enhancing page transitions, adding visual cues, and organizing information more effectively.

**Navigating Pages Average time took**

Let's calculate the average time for navigating to specific pages:

Total time taken for all observations:

Ali Q’s NOT: 7 + 30 + 30 + 45 + 60 = 172 seconds

Awad Riaz’s NOT: 82 + 55 + 15 + 53 + 18 + 18 + 5 + 8 + 32 = 286 seconds

Muhammed Ahsen Sajid’s NOT: 22 + 0 + 5 + 12 + 22 + 35 + 23 + 70 + 15 + 32 = 236 seconds

Muhammed Ibraheem’s NOT: 15 + 4 + 12 + 11 + 16 + 12 + 10 + 23 + 70 + 15 + 32 = 220 seconds

Ali Salad’s NOT: 7 + 30 + 30 + 45 + 60 = 172 seconds

Ethan Potter’s NOT: 15 + 4 + 12 + 11 + 16 + 12 + 10 + 23 + 70 + 15 + 32 = 220 seconds

Total time: 172 + 286 + 236 + 220 + 172 + 220 = 1306 seconds

Number of observations: 6

Average time to navigate to specific pages: 1306 seconds / 6 observations ≈ 217.67 seconds

I could have same sort of quantitative data for other tests as well but due to lack of standardisation only navigation tasks are the one which do match some kind of similarity so their avg times can be calculated.

**Ali Qadeer’s Natural Observation Test (NOT):**

Task 1: 80 seconds

Task 2: 74 seconds

Task 3: 38 seconds

Task 4: 63 seconds

Task 5: 68 seconds

Task 6: 16 seconds

Task 7: 28 seconds

Task 8: 8 seconds

Task 9: 118 seconds

Task 10: 6 seconds

Task 11: 5 seconds

Task 12: 24 seconds

Task 13: 256 seconds

Task 14: 103 seconds

Task 15: 30 seconds

**Muhammad Ahsen’s Natural Observation Test (NOT):**

Task: Signup to Personalization Section

Time: 22 seconds

Task: Personalization Section Scheme

Time: Not applicable

Task: Skip Button Preference

Time: 2 seconds

Task: Weight Goal Identification

Time: 1 second

Task: Calorie Intake Page Observations

Time: 2 seconds

Task: Radial Chart Interpretation

Time: 1 second

Task: Dinner Macro Entry

Time: 2 seconds

Task: Steps Page Observations

Time: 5 seconds

Task: Sleep Page Observations

Time: 4 seconds

Task: Heart Health Page Observations

Time: 1 second

Task: Weight Intake Page Observations

Time: 8 seconds

Task: Weight Loss Journey and BMI Details

Time: 28 seconds

Task: Workout Intake Page Observations

Time: 12 seconds

Task: Communities Page Observations

Time: 23 seconds

Task: Feedback Page Observations

Time: 14 seconds

Task: Settings Page Observations

Time: 12 seconds

**Ethan Potter's Natural Observation Test (NOT):**

Task 1: Booking the highest rated community class

Time: 15 seconds

Task 2: Navigating to notification settings

Time: 4 seconds

Task 3: Reading current recorded blood pressure measurements

Time: 12 seconds

Task 4: Finding instructions for a push session workout

Time: 11 seconds

Task 5: Adding information for the latest meal

Time: 16 seconds

Task 6: Locating the goal BMI

Time: 12 seconds

Task 7: Finding previous night sleep percentage compared to average

Time: 10 seconds

**Awad Riaz's Natural Observation Test (NOT):**

Task 1: 82 seconds

Task 2: 55 seconds

Task 3: 15 seconds

Task 4: 53 seconds

Task 5: 8 seconds

Task 6: 18 seconds

Task 7: 18 seconds

Task 8: 5 seconds

Task 9: 12 seconds

**Muhammad Ibraheem's Natural Observation Test (NOT):**

Task 1: 10 seconds

Task 2: 32 seconds

Task 3: 5 seconds

Task 4: 22 seconds

Task 5: 35 seconds

Task 6: 23 seconds

Task 7: 70 seconds

Task 8: 15 seconds

Task 9: 32 seconds

Ali Salad's Natural Observation Test (NOT):

Task 1: 7 seconds

Task 2: 30 seconds

Task 3: 30 seconds

Task 4: 45 seconds

Task 5: 60 seconds

Task 6: 60 seconds

**Average Time taken for Observation Tests**

**For Ali Qadeer's Natural Observation Test (NOT):**

Total time = 80 + 74 + 38 + 63 + 68 + 16 + 28 + 8 + 118 + 6 + 5 + 24 + 256 + 103 + 30

= 831 seconds

Number of tasks = 15

Average time = Total time / Number of tasks = 831 seconds / 15

= 55.4 seconds – a good middle ground, generally not too long, certain tasks were longer than others due to lack of standardisation and so cannot lean too heavily on this valuel; does generally show that the time taken to complete a task was in a good range and not obscenely long. My time is longer than everyone else probably due to the fact that my tests were longer than others.

**For Muhamad Ahsen Sajid's Natural Observation Test (NOT):**

Total time = 22 + 2 + 1 + 2 + 1 + 2 + 5 + 4 + 1 + 8 + 28 + 12 + 23 + 14 + 12

= 137 seconds

Number of tasks = 15

Average time = Total time / Number of tasks = 137 seconds / 15

= 9.13 seconds

**For Ethan Potter's Natural Observation Test (NOT):**

Total time = 15 + 4 + 12 + 11 + 16 + 12 + 10

= 80 seconds

Number of tasks = 7

Average time = Total time / Number of tasks = 80 seconds / 7

= 11.43 seconds

**For Awad Riaz's Natural Observation Test (NOT):**

Total time = 82 + 55 + 15 + 53 + 8 + 18 + 18 + 5 + 12

= 266 seconds

Number of tasks = 9

Average time = Total time / Number of tasks = 266 seconds / 9

= 29.56 seconds

**For Muhammad Ibraheem's Natural Observation Test (NOT):**

Total time = 10 + 32 + 5 + 22 + 35 + 23 + 70 + 15 + 32

= 244 seconds

Number of tasks = 9

Average time = Total time / Number of tasks = 244 seconds / 9

= 27.11 seconds

**For Ali Salad's Natural Observation Test (NOT):**

Total time = 7 + 30 + 30 + 45 + 60 + 60

= 232 seconds

Number of tasks = 6

Average time = Total time / Number of tasks = 232 seconds / 6

= 38.67 seconds

**Average time for all tests**

Total time for all tests = 831 + 137 + 80 + 266 + 244 + 232

= 1790 seconds

Total number of tasks for all tests = 15 + 15 + 7 + 9 + 9 + 6

= 61

Overall average time = Total time for all tests / Total number of tasks for all tests

= 1790 seconds / 61

≈ 29.34 seconds

the average time taken for all observation tests is approximately 29.34 seconds.

**Average No of errors**

Ali Qadeers NOT:

10

Muhammad Ahsen Sajid’s NOT:

1

Ethan Potter’s NOT:

2

Awad Riaz’s NOT:

0

Muhammad Ibraheem’s NOT:

0

Ali Salad’s NOT:  
0

Number of tests conducted: 6

Average number of errors = Total errors / Number of tests

= 13 / 6 ≈ 2.17

the average number of errors observed across all the Natural Observation Tests is approximately 2.17.

**Average no of errors per unit of time**

Average time took = 29.34 seconds

Average no of errors made = 2.17

Average unit of errors per unit of time = Avg no of errors / Avg Time taken

= 2.17 / 29.34

= 0.074

So, 0.074 is Average errors made in per unit time.

MS Comments:

I can't have the most accurate data due to lack of standardisation and our sample size is so small . Because everyone has done their tests as they wanted and we didn’t followed any specific structure for that so all the Quantitative measures that have been mentioned are the most approximate ones.