

Quantitative Research Student Worksheet

Use the dataset provided to complete the quantitative research tasks below.

1. Create Your Research Question

Write ONE question that can be answered using the dataset. Example: "Is there a relationship between study hours and stress levels?"

2. State Your Hypothesis

Predict what you think the data will show. Example: "Higher study hours will be linked to higher stress."

3. Analyse the Data

A. Calculate descriptive statistics: mean stress level, range of study hours, percentage Digital vs Printed.

B. Create TWO graphs (bar chart, pie chart, histogram, or scatterplot).

C. Identify 3–5 patterns in the data.

4. Write Your Findings (100–150 words)

Summarise what the data shows and whether your hypothesis was supported.

5. Reflection (Optional)

Write 2–3 sentences about what you learned and what you found challenging.

Dataset: Study Hours, Stress Levels and Study Preferences

Student	Study Hours	Stress (1-10)	Preferred Method
1	5	4	Digital
2	12	7	Digital
3	8	5	Printed
4	15	8	Digital
5	7	6	Digital
6	4	3	Printed
7	10	6	Digital
8	6	5	Printed
9	14	8	Digital
10	9	6	Digital
11	11	7	Printed
12	3	2	Printed
13	16	9	Digital
14	6	4	Digital
15	13	7	Printed
16	8	5	Digital
17	5	4	Printed
18	12	7	Digital
19	2	1	Printed
20	10	6	Digital