Answer’s for Lab 5 – Correlations (5 marks)

Student name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Chance correlations (1 mark)

½ a mark for correlation matrix (table)

½ a mark for stating which pair is most strongly correlated

# Chance correlations with a larger sample (1 mark)

½ a mark for correlation matrix (table)

½ a mark for stating which pair is most strongly correlated

# Table to summarize measured correlations (3 marks)

*1 mark for table and 2 marks for written answer.*

|  |  |  |
| --- | --- | --- |
| **summary of 21 comparisons** | **N = 10** | **N = 100** |
| minimum of all correlations |  |  |
| maximum of all correlations |  |  |
| range |  |  |

**Short answer question.**

With reference to your table, explain why larger sample sizes are better.