

# Python Assessment: Multivariate Analysis

TOTAL POINTS 5

1. Using information about the Cartwheel dataset from the previous assignments, answer the following questions.

1 pair

Is the relationship between 'Height' and 'Wingspan' linear?

☒ Yes

☐ No
2. Is the relationship between 'Wingspan' and 'Height' linear for each gender?

1 pair

☒ Yes

☐ No
3. Is the interquartile range of 'CWDistance' similar to 'Wingspan'?

1 pair

☐ Yes

☒ No
4. Looking at the barplot of 'Glasses' and 'CWDistance', which glasses condition has a (slightly) **larger** estimate of cartwheel distance?

1 pair

☐ Glasses-Y

☒ Glasses-N
5. Looking at the barplot of 'Glasses' and 'CWDistance' split by 'Gender', which glasses condition has a (slightly) larger estimate of cartwheel distance?

1 pair

☐ Glasses-Y

☐ Glasses-N

☒ The results are different for each gender.