
Find Optimal Chopsticks Length

[Student Notes](#) [Project Review](#) [Project History](#)

Meets Specifications

Answers to Each Question



SPECIFICATION

Question 1: The correct independent variable was given.

MEETS SPECIFICATION

Reviewer Comments

Well Done!!

SPECIFICATION

Question 2: The correct dependent variable was given.

MEETS SPECIFICATION

Reviewer Comments

Well Done!!

SPECIFICATION

Question 3: The correct operational definition of the dependent variable was given.

MEETS SPECIFICATION

Reviewer Comments

Excellent!!

SPECIFICATION

Question 4: At least two variables were listed that must have been controlled given the description of the data.

EXCEEDS SPECIFICATION

Reviewer Comments

You are correct!!

[Requirements to exceed the specification >](#)

SPECIFICATION

Question 5: The best performing chopstick length is correctly identified for the adult males.

MEETS SPECIFICATION

Reviewer Comments

Well Done!!

SPECIFICATION

Question 6: The student correctly interpreted the scatterplot and used it to make observations about the relationship.

MEETS SPECIFICATION

Reviewer Comments

You are correct average performance peaked when participants use the 240mm long chopsticks.

SPECIFICATION

Question 7: The student correctly used the rest of the analysis to draw a conclusion about the researchers' claim.

MEETS SPECIFICATION

Reviewer Comments

you are correct a statistical test is needed to determine the significance of the result. In this case the appropriate statistical test will be, repeated-measures ANOVA that will show a significant difference in performance due to chopstick length after accounting for individual differences. It is important to perform a repeated-measures test, since a simple independent-measures ANOVA, will report a non-significant effect due to the variability in individual aptitude.

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