

STATS 8 w19 stats8-w19-finalvB

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TOTAL POINTS

75.5 / 92

QUESTION 1

Physical activity - resistance training
(Corey Katz) 12 pts

1.1 confidence interval (Corey Katz) 3 / 3

✓ - 0 pts Correct

1.2 margin of error (Corey Katz) 2 / 2

✓ - 0 pts Correct

1.3 interpretation (Corey Katz) 2.5 / 4

✓ - 0.5 pts Missing units

✓ - 1 pts Missing Population that we are conducting inference on, or did not specify the correct population

1.4 hypothesis from CI (Corey Katz) 3 / 3

✓ - 0 pts Correct

QUESTION 2

Physical activity - resistance vs endurance (Corey Katz) 10 pts

2.1 hypotheses (Corey Katz) 3 / 3

✓ - 0 pts Correct

2.2 P-value (Corey Katz) 3 / 3

✓ - 0 pts Correct

2.3 interpretation (Corey Katz) 1.5 / 4

✓ - 1 pts no population defined

✓ - 1.5 pts not complete

QUESTION 3

Fluoroquinolone (Chu Ching) 9 pts

3.1 birth defect (Chu Ching) 3 / 3

✓ + 3 pts correct

3.2 head circumference (Chu Ching) 3 / 3

✓ + 3 pts correct

3.3 maternal age (Chu Ching) 3 / 3

✓ + 3 pts correct

QUESTION 4

YouTube influencers (Shannon Proctor)
11 pts

4.1 hypotheses (Shannon Proctor) 3 / 3

✓ - 0 pts Correct

4.2 interpretation (Shannon Proctor) 3 / 4

✓ - 1 pts Made conclusion based on alternative hypothesis.

💬 We NEVER conclude that we "favor" the alternative hypothesis, we can only reject or fail to reject the null hypothesis.

4.3 which condition? (Chu Ching) 2 / 2

✓ + 2 pts correct

4.4 conditions met? (Chu Ching) 2 / 2

✓ + 2 pts correct

QUESTION 5

Chicken phenotypes (Corey Katz) 7 pts

5.1 hypotheses (Corey Katz) 1.5 / 3

✓ - 1.5 pts The hypothesis are not based on the sample.

5.2 interpretation (Corey Katz) 0 / 4

✓ - 4 pts Incorrect

QUESTION 6

Which inference? (Chu Ching and Shannon Proctor) 25 pts

6.1 Ecog procedure (Chu Ching) 2 / 2

✓ + 2 pts correct

6.2 Ecog hypotheses (Shannon Proctor) 3 / 3

✓ - 0 pts Correct

6.3 REM procedure (Chu Ching) 2 / 2

✓ + 2 pts correct

6.4 REM hypotheses (Shannon Proctor) 3 / 3

✓ - 0 pts Correct

6.5 Bise procedure (Chu Ching) 2 / 2

✓ + 2 pts correct

6.6 Bise hypotheses (Shannon Proctor) 3 / 3

✓ - 0 pts Correct

6.7 Bone marrow procedure (Chu Ching) 2 / 2

✓ + 2 pts correct

6.8 Bone marrow hypotheses (Shannon Proctor) 3 / 3

✓ - 0 pts Correct

6.9 Screen time procedure (Chu Ching) 2 / 2

✓ + 2 pts correct

6.10 Screen time hypotheses (Shannon Proctor) 3 / 3

✓ - 0 pts Correct

QUESTION 7

7 Margin of error (Chu Ching) 3 / 3

✓ + 3 pts correct

QUESTION 8

Delayed first bath (Shannon Proctor) 15 pts

8.1 hypotheses (Shannon Proctor) 0 / 3

✓ - 3 pts Incorrect

💬 This is incorrect and demonstrates a misunderstanding of this problem and the concepts involved. See the solutions.

8.2 calculations (Shannon Proctor) 3 / 3

✓ - 0 pts Correct

8.3 which condition? (Chu Ching) 2 / 2

✓ + 2 pts correct

8.4 interpretation (Shannon Proctor) 4 / 4

✓ - 0 pts Correct

8.5 recommendation (Baldi) 0 / 3

✓ - 3 pts Not directly relevant. Making a "recommendation" implies that causation is established, which goes beyond just finding a significant association.