Time Frame: 50 minutes

Subject Matter: Correlation Coefficients

Objective: TSWBAT compute the correlation coefficient between the two variables and classify analytically the relationships as either positive, negative, or zero.

Standards: DA – 3.6

Materials: Calculators and Data sheets

Presentation of Information:

The class will compute the correlation of the data gathered yesterday; the correlation between (a) weight and speed and (b) height and speed.

Correlation between Weight and Speed

Data Sheet

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Subjects’ Name | Weight  (x) | Speed in yards per second  (y) | xy | x2 | y2 |
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Correlation between Height and Speed

Data Sheet

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| --- | --- | --- | --- | --- | --- |
| Subjects’ Name | Height  (x) | Speed in yards per second  (y) | xy | x2 | y2 |
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