

## Correlation coefficients

To find the correlation coefficient in Excel,

- Highlight an empty cell which could be below where the mean appears (B24) or any other empty cell.
- Go to the menu bar and find the summation sign “ $\Sigma$ ” with the downward arrow next to it.
- Click on that arrow and then drag the cursor down to “More functions” and release.
- A box will appear. Within the second box where you can select an option, click on the arrow and drag the cursor down to “Statistical.”
- In the third box, drag the cursor down to “CORREL” and click on OK.
- A box labeled “Function Arguments” will appear.
- Type in the beginning and ending cell row letters and column numbers with a “:” in between for the first variable you want to correlate in the first box, and the beginning and ending cell row letters and column numbers for the second variable in the second box. Since I wanted to correlate the first two items, I typed B2:B21 in the first box and C2:C21 in the second box.
- Click on OK.
- My correlation coefficient is .772954 which I will round to .77

The screenshot shows the Microsoft Excel interface with the following data set in the worksheet:

|    | A  | B  | C  | D  | E  | F  | G  | H  | I                   | J       | K       | L      | M      | N        | O          | P | Q | R | S |
|----|----|----|----|----|----|----|----|----|---------------------|---------|---------|--------|--------|----------|------------|---|---|---|---|
| 1  | ID | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Ethnicity           | Specify | MarStat | FathEd | MothEd | FirstGen | EligFinAid |   |   |   |   |
| 2  | 1  | 3  | 4  | 4  | 3  | 4  | 4  | 2  | 5                   |         | 2       | 1      | 1      | 1        | 1          |   |   |   |   |
| 3  | 2  | 2  | 3  | 3  | 4  | 3  | 3  | 1  | 7 Mono              |         | 1       | 3      | 2      | 1        | 1          |   |   |   |   |
| 4  | 3  | 4  | 4  | 4  | 5  | 3  |    | 5  | 5 8                 |         | 1       | 5      | 4      | 2        | 2          |   |   |   |   |
| 5  | 4  | 2  | 4  | 2  | 5  | 3  | 3  | 3  | 3                   |         | 1       | 3      | 2      | 1        | 1          |   |   |   |   |
| 6  | 5  | 4  | 5  | 5  | 3  | 4  | 4  | 5  | 8                   |         | 2       | 4      | 5      | 2        | 1          |   |   |   |   |
| 7  | 6  | 3  | 2  | 2  | 3  | 3  | 2  | 4  | 8                   |         | 1       | 4      | 4      | 2        | 1          |   |   |   |   |
| 8  | 7  | 4  | 5  | 3  | 5  | 4  | 4  | 5  | 1                   |         | 1       | 5      | 5      | 2        | 2          |   |   |   |   |
| 9  | 8  | 3  | 4  | 4  | 4  | 3  | 4  | 2  | 6                   |         | 1       |        | 3      | 1        | 1          |   |   |   |   |
| 10 | 9  | 4  | 4  | 2  | 4  | 3  | 2  | 4  | 10 East Indiai      |         | 1       | 6      | 4      | 2        | 2          |   |   |   |   |
| 11 | 10 | 5  | 5  | 4  | 4  | 4  | 5  | 5  | 3                   |         | 1       | 3      | 3      | 1        | 1          |   |   |   |   |
| 12 | 11 | 2  | 3  | 4  | 4  | 4  | 4  | 2  | 3                   |         | 2       | 2      | 1      | 1        | 1          |   |   |   |   |
| 13 | 12 | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 6                   |         | 1       | 4      | 3      | 1        | 1          |   |   |   |   |
| 14 | 13 | 1  | 2  | 3  | 4  | 3  | 2  | 1  | 5                   |         | 1       | 1      | 3      | 1        | 1          |   |   |   |   |
| 15 | 14 | 4  | 4  | 5  | 5  | 4  | 5  | 3  | 3                   |         | 2       | 4      | 5      | 2        | 1          |   |   |   |   |
| 16 | 15 | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 7 Chumash           |         | 1       | 2      | 3      | 1        | 1          |   |   |   |   |
| 17 | 16 | 3  | 4  | 5  | 3  | 4  | 3  | 3  | 3                   |         | 1       | 4      | 5      | 2        | 1          |   |   |   |   |
| 18 | 17 | 2  | 2  | 1  | 1  | 3  | 3  | 4  | 3                   |         | 1       | 2      | 3      | 1        | 1          |   |   |   |   |
| 19 | 18 | 2  | 2  |    |    | 3  | 3  | 1  | 8                   |         |         |        | 3      | 1        | 1          |   |   |   |   |
| 20 | 19 |    |    |    |    |    |    |    | 10 Decline to state |         |         |        |        | 1        | 1          |   |   |   |   |
| 21 | 20 | 4  | 4  | 4  | 3  | 3  | 4  | 3  | 8                   |         | 2       | 3      | 2      | 1        | 1          |   |   |   |   |
| 22 |    |    |    |    |    |    |    |    |                     |         |         |        |        |          |            |   |   |   |   |
| 23 |    |    |    |    |    |    |    |    |                     |         |         |        |        |          |            |   |   |   |   |

The formula bar shows the CORREL function being used:  $\text{CORREL}(B2:B21, C2:C21)$ . The status bar at the bottom indicates the current cell is B23 and the formula is  $\text{CORREL}(B2:B21, C2:C21)$ .

Microsoft Excel

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B23

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|    | A  | B  | C  | D  | E  | F  | G  | H  | I                   | J       | K       | L      | M      | N        | O          | P |
|----|----|----|----|----|----|----|----|----|---------------------|---------|---------|--------|--------|----------|------------|---|
| 1  | ID | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Ethnicity           | Specify | MarStat | FathEd | MothEd | FirstGen | EligFinAid |   |
| 2  | 1  | 3  | 4  | 4  | 3  | 4  | 4  | 2  | 5                   |         | 2       | 1      | 1      | 1        | 1          |   |
| 3  | 2  | 2  | 3  | 3  | 4  | 3  | 3  | 1  | 7 Mono              |         | 1       | 3      | 2      | 1        | 1          |   |
| 4  | 3  | 4  | 4  | 5  | 3  |    | 5  | 5  | 8                   |         | 1       | 5      | 4      | 2        | 2          |   |
| 5  | 4  | 2  | 4  | 2  | 5  | 3  | 3  | 3  | 3                   |         | 1       | 3      | 2      | 1        | 1          |   |
| 6  | 5  | 4  | 5  | 5  | 3  | 4  | 4  | 5  | 8                   |         | 2       | 4      | 5      | 2        | 1          |   |
| 7  | 6  | 3  | 2  | 2  | 3  | 3  | 2  | 4  | 8                   |         | 1       | 4      | 4      | 2        | 1          |   |
| 8  | 7  | 4  | 5  | 3  | 5  | 4  | 4  | 5  | 1                   |         | 1       | 5      | 5      | 2        | 2          |   |
| 9  | 8  | 3  | 4  | 4  | 4  | 3  | 4  | 2  | 6                   |         | 1       |        | 3      | 1        | 1          |   |
| 10 | 9  | 4  | 4  | 2  | 4  | 3  | 2  | 4  | 10 East Indiai      |         | 1       | 6      | 4      | 2        | 2          |   |
| 11 | 10 | 5  | 5  | 4  | 4  | 4  | 5  | 5  | 3                   |         | 1       | 3      | 3      | 1        | 1          |   |
| 12 | 11 | 2  | 3  | 4  | 4  | 4  | 4  | 2  | 3                   |         | 2       | 2      | 1      | 1        | 1          |   |
| 13 | 12 | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 6                   |         | 1       | 4      | 3      | 1        | 1          |   |
| 14 | 13 | 1  | 2  | 3  | 4  | 3  | 2  | 1  | 5                   |         | 1       | 1      | 3      | 1        | 1          |   |
| 15 | 14 | 4  | 4  | 5  | 5  | 4  | 5  | 3  | 3                   |         | 2       | 4      | 5      | 2        | 1          |   |
| 16 | 15 | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 7 Chumash           |         | 1       | 2      | 3      | 1        | 1          |   |
| 17 | 16 | 3  | 4  | 5  | 3  | 4  | 3  | 3  | 3                   |         | 1       | 4      | 5      | 2        | 1          |   |
| 18 | 17 | 2  | 2  | 1  | 1  | 3  | 3  | 4  | 3                   |         | 1       | 2      | 3      | 1        | 1          |   |
| 19 | 18 | 2  | 2  |    |    | 3  | 3  | 1  | 8                   |         |         |        | 3      | 1        | 1          |   |
| 20 | 19 |    |    |    |    |    |    |    | 10 Decline to state |         |         |        |        | 1        | 1          |   |
| 21 | 20 | 4  | 4  | 4  | 3  | 3  | 4  | 3  | 8                   |         | 2       | 3      | 2      | 1        | 1          |   |
| 22 |    |    |    |    |    |    |    |    |                     |         |         |        |        |          |            |   |
| 23 |    |    |    |    |    |    |    |    |                     |         |         |        |        |          |            |   |

Input sheet | data set | N | means | standard deviations | frequencies | percentages | graphs | Indep t-test

Ready

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B23

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|    | A  | B  | C  | D  | E  | F  | G  | H  | I                   | J       | K       | L      | M      | N        | O          | P | Q | R | S |  |
|----|----|----|----|----|----|----|----|----|---------------------|---------|---------|--------|--------|----------|------------|---|---|---|---|--|
| 1  | ID | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Ethnicity           | Specify | MarStat | FathEd | MothEd | FirstGen | EligFinAid |   |   |   |   |  |
| 2  | 1  | 3  | 4  | 4  | 3  | 4  | 4  | 2  | 5                   |         | 2       | 1      | 1      | 1        | 1          |   |   |   |   |  |
| 3  | 2  | 2  | 3  | 3  | 4  | 3  | 3  | 1  | 7 Mono              |         | 1       | 3      | 2      | 1        | 1          |   |   |   |   |  |
| 4  | 3  | 4  | 4  | 5  | 3  |    | 5  | 5  | 8                   |         | 1       | 5      | 4      | 2        | 2          |   |   |   |   |  |
| 5  | 4  | 2  | 4  | 2  | 5  | 3  | 3  | 3  | 3                   |         | 1       | 3      | 2      | 1        | 1          |   |   |   |   |  |
| 6  | 5  | 4  | 5  | 5  | 3  | 4  | 4  | 5  | 8                   |         | 2       | 4      | 5      | 2        | 1          |   |   |   |   |  |
| 7  | 6  | 3  | 2  | 2  | 3  | 3  | 2  | 4  | 8                   |         | 1       | 4      | 4      | 2        | 1          |   |   |   |   |  |
| 8  | 7  | 4  | 5  | 3  | 5  | 4  | 4  | 5  | 1                   |         | 1       | 5      | 5      | 2        | 2          |   |   |   |   |  |
| 9  | 8  | 3  | 4  | 4  | 4  | 3  | 4  | 2  | 6                   |         | 1       |        | 3      | 1        | 1          |   |   |   |   |  |
| 10 | 9  | 4  | 4  | 2  | 4  | 3  | 2  | 4  | 10 East Indiai      |         | 1       | 6      | 4      | 2        | 2          |   |   |   |   |  |
| 11 | 10 | 5  | 5  | 4  | 4  | 4  | 5  | 5  | 3                   |         | 1       | 3      | 3      | 1        | 1          |   |   |   |   |  |
| 12 | 11 | 2  | 3  | 4  | 4  | 4  | 4  | 2  | 3                   |         | 2       | 2      | 1      | 1        | 1          |   |   |   |   |  |
| 13 | 12 | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 6                   |         | 1       | 4      | 3      | 1        | 1          |   |   |   |   |  |
| 14 | 13 | 1  | 2  | 3  | 4  | 3  | 2  | 1  | 5                   |         | 1       | 1      | 3      | 1        | 1          |   |   |   |   |  |
| 15 | 14 | 4  | 4  | 5  | 5  | 4  | 5  | 3  | 3                   |         | 2       | 4      | 5      | 2        | 1          |   |   |   |   |  |
| 16 | 15 | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 7 Chumash           |         | 1       | 2      | 3      | 1        | 1          |   |   |   |   |  |
| 17 | 16 | 3  | 4  | 5  | 3  | 4  | 3  | 3  | 3                   |         | 1       | 4      | 5      | 2        | 1          |   |   |   |   |  |
| 18 | 17 | 2  | 2  | 1  | 1  | 3  | 3  | 4  | 3                   |         | 1       | 2      | 3      | 1        | 1          |   |   |   |   |  |
| 19 | 18 | 2  | 2  |    |    | 3  | 3  | 1  | 8                   |         |         |        | 3      | 1        | 1          |   |   |   |   |  |
| 20 | 19 |    |    |    |    |    |    |    | 10 Decline to state |         |         |        |        | 1        | 1          |   |   |   |   |  |
| 21 | 20 | 4  | 4  | 4  | 3  | 3  | 4  | 3  | 8                   |         | 2       | 3      | 2      | 1        | 1          |   |   |   |   |  |
| 22 |    |    |    |    |    |    |    |    |                     |         |         |        |        |          |            |   |   |   |   |  |
| 23 |    |    |    |    |    |    |    |    |                     |         |         |        |        |          |            |   |   |   |   |  |

Input sheet | data set | N | means | standard deviations | frequencies | percentages | graphs | Indep t-test

Edit

**Insert Function**

Search for a function:

Or select a category: Statistical

Select a function:

- AVEDEV
- AVERAGE
- AVERAGEA
- AVERAGEIF
- AVERAGEIFS
- BETA.DIST
- BETA.INV

**AVEDEV(number1,number2,...)**  
Returns the average of the absolute deviations of data points from their mean.  
Arguments can be numbers or names, arrays, or references that contain numbers.

[Help on this function](#)

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CORREL

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|    | A  | B | C | D | E | F | G | H | I  | J                | K | L | M | N | O | P |
|----|----|---|---|---|---|---|---|---|----|------------------|---|---|---|---|---|---|
| 10 | 9  | 4 | 4 | 2 | 4 | 3 | 2 | 4 | 10 | East India       | 1 | 6 | 4 | 2 | 2 |   |
| 11 | 10 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 3  | 1                | 3 | 3 | 1 | 1 |   |   |
| 12 | 11 | 2 | 3 | 4 | 4 | 4 | 4 | 2 | 3  | 2                | 2 | 1 | 1 | 1 |   |   |
| 13 | 12 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6  | 1                | 4 | 3 | 1 | 1 |   |   |
| 14 | 13 | 1 | 2 | 3 | 4 | 3 | 2 | 1 | 5  | 1                | 1 | 3 | 1 | 1 |   |   |
| 15 | 14 | 4 | 4 | 5 | 5 | 4 | 5 | 3 | 3  | 2                | 4 | 5 | 2 | 1 |   |   |
| 16 | 15 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7  | Chumash          | 1 | 2 | 3 | 1 | 1 |   |
| 17 | 16 |   |   |   |   |   |   |   | 3  | 1                | 4 | 5 | 2 | 1 |   |   |
| 18 | 17 |   |   |   |   |   |   |   | 3  | 1                | 2 | 3 | 1 | 1 |   |   |
| 19 | 18 |   |   |   |   |   |   |   | 8  |                  |   | 3 | 1 | 1 |   |   |
| 20 | 19 |   |   |   |   |   |   |   | 10 | Decline to state |   |   | 1 | 1 |   |   |
| 21 | 20 |   |   |   |   |   |   |   | 8  | 2                | 3 | 2 | 1 | 1 |   |   |
| 22 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 23 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 24 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 25 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 26 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 27 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 28 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 29 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 30 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 31 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 32 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 33 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |
| 34 |    |   |   |   |   |   |   |   |    |                  |   |   |   |   |   |   |

Insert Function

Search for a function:

Type a brief description of what you want to do and then click Go

Go

Or select a category: Statistical

Select a function:

- CHISQ\_INV
- CHISQ\_INV\_RT
- CHISQ\_TEST
- CONFIDENCE.NORM
- CONFIDENCE.T
- COUNT
- CORREL**

**CORREL(array1,array2)**  
Returns the correlation coefficient between two data sets.

Help on this function

OK Cancel

Sheet1

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CORREL

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|    | A  | B | C | D | E | F | G | H | I  | J          | K | L | M | N | O | P |
|----|----|---|---|---|---|---|---|---|----|------------|---|---|---|---|---|---|
| 10 | 9  | 4 | 4 | 2 | 4 | 3 | 2 | 4 | 10 | East India | 1 | 6 | 4 | 2 | 2 |   |
| 11 | 10 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 3  | 1          | 3 | 3 | 1 | 1 |   |   |
| 12 | 11 | 2 | 3 | 4 | 4 | 4 | 4 | 2 | 3  | 2          | 2 | 1 | 1 | 1 |   |   |
| 13 | 12 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6  | 1          | 4 | 3 | 1 | 1 |   |   |
| 14 | 13 | 1 | 2 | 3 | 4 | 3 | 2 | 1 | 5  | 1          | 1 | 3 | 1 | 1 |   |   |
| 15 | 14 | 4 | 4 | 5 | 5 | 4 | 5 | 3 | 3  | 2          | 4 | 5 | 2 | 1 |   |   |
| 16 | 15 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7  | Chumash    | 1 | 2 | 3 | 1 | 1 |   |
| 17 | 16 | 3 | 4 | 5 | 3 | 4 | 3 | 3 | 3  | 1          | 4 | 5 | 2 | 1 |   |   |
| 18 | 17 | 2 | 2 | 1 | 1 | 3 | 3 | 4 | 3  | 1          | 2 | 3 | 1 | 1 |   |   |
| 19 |    |   |   |   |   |   |   |   |    |            |   | 3 | 1 | 1 |   |   |
| 20 |    |   |   |   |   |   |   |   |    |            |   |   |   | 1 | 1 |   |
| 21 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 22 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 23 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 24 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 25 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 26 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 27 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 28 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 29 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 30 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 31 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 32 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 33 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |
| 34 |    |   |   |   |   |   |   |   |    |            |   |   |   |   | 1 |   |

Function Arguments

CORREL

Array1  = array

Array2  = array

Returns the correlation coefficient between two data sets.

Array1 is a cell range of values. The values should be numbers, names, arrays, or references that contain numbers.

Formula result =

Help on this function

OK Cancel

Sheet1

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Clipboard Font Alignment Number Styles

General

Conditional Formatting as Table Styles

Insert Delete Format

AutoSum Fill Clear Sort & Filter Find & Select

CORREL =CORREL(B2:B21,C2:C21)

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Paste All Clear All

Click an item to paste:

with a "\*" in between

Scale The quality of my high school science classes was very good. 1.1 0.05...

ID Q1 Q2 Q3 Q4 Q5 Q6 Q7 Ethnicity Specify MarStat FathEd MothEd FirstGen...

Scale The quality of my high school science classes was very good. 1.1 0.05...

ID Q1 Q2 Q3 Q4 Q5 Q6 Q7 Ethnicity Specify MarStat FathEd MothEd FirstGen...

Function Arguments

CORREL

Array1 B2:B21 = {3;2;4;2;4;3;4;3;4;5;2;3;1;4;4;3;2;0}

Array2 C2:C21 = {4;3;4;4;5;2;5;4;4;5;3;3;2;4;4;2;0}

= 0.772953832

Returns the correlation coefficient between two data sets.

Array2 is a second cell range of values. The values should be numbers, names, arrays, or references that contain numbers.

Formula result = 0.772953832

Help on this function

OK Cancel

|    | A  | B | C | D | E | F | G | H | I | J              | K | L | M | N | O | P |
|----|----|---|---|---|---|---|---|---|---|----------------|---|---|---|---|---|---|
| 10 | 9  | 4 | 4 | 2 | 4 | 4 | 3 | 2 | 4 | 10 East Indiai | 1 | 6 | 4 | 2 | 2 |   |
| 11 | 10 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 3 |                | 1 | 3 | 3 | 1 | 1 |   |
| 12 | 11 | 2 | 3 | 4 | 4 | 4 | 4 | 2 | 3 |                | 2 | 2 | 1 | 1 | 1 |   |
| 13 | 12 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 |                | 1 | 4 | 3 | 1 | 1 |   |
| 14 | 13 | 1 | 2 | 3 | 4 | 3 | 2 | 1 | 5 |                | 1 | 1 | 3 | 1 | 1 |   |
| 15 | 14 | 4 | 4 | 5 | 5 | 4 | 5 | 3 | 3 |                | 2 | 4 | 5 | 2 | 1 |   |
| 16 | 15 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 Chumash      | 1 | 2 | 3 | 1 | 1 |   |
| 17 | 16 | 3 | 4 | 5 | 3 | 4 | 3 | 3 | 3 |                | 1 | 4 | 5 | 2 | 1 |   |
| 18 | 17 | 2 | 2 | 1 | 1 | 3 | 3 | 4 | 3 |                | 1 | 2 | 3 | 1 | 1 |   |
| 19 |    |   |   |   |   |   |   |   |   |                |   |   | 3 | 1 | 1 |   |
| 20 |    |   |   |   |   |   |   |   |   |                |   |   |   | 1 | 1 |   |
| 21 |    |   |   |   |   |   |   |   |   |                |   |   |   |   | 1 |   |
| 22 |    |   |   |   |   |   |   |   |   |                | 2 | 3 | 2 | 1 | 1 |   |
| 23 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 24 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 25 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 26 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 27 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 28 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 29 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 30 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 31 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 32 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 33 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |
| 34 |    |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |

frequencies percentages graphs Indep t-test ANOVA Correlations Sheet1

ERA 244 Module 4 Data Set w stats.xlsx - Microsoft Excel

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Clipboard Font Alignment Number Styles

General

Conditional Formatting as Table Styles

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AutoSum Fill Clear Sort & Filter Find & Select

B24 =CORREL(B2:B21,C2:C21)

6 of 24 - Clipboard

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Scale The quality of my high school science classes was very good. 1.1 0.05...

ID Q1 Q2 Q3 Q4 Q5 Q6 Q7 Ethnicity Specify MarStat FathEd MothEd FirstGen...

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|    | A  | B | C | D | E | F | G | H | I              | J                   | K | L | M | N | O | P |
|----|----|---|---|---|---|---|---|---|----------------|---------------------|---|---|---|---|---|---|
| 2  | 1  | 3 | 4 | 4 | 3 | 4 | 4 | 2 | 5              |                     | 2 | 1 | 1 | 1 | 1 |   |
| 3  | 2  | 2 | 3 | 3 | 4 | 3 | 3 | 1 | 7 Mono         |                     | 1 | 3 | 2 | 1 | 1 |   |
| 4  | 3  | 4 | 4 | 5 | 3 |   | 5 | 5 | 8              |                     | 1 | 5 | 4 | 2 | 2 |   |
| 5  | 4  | 2 | 4 | 2 | 5 | 3 | 3 | 3 | 3              |                     | 1 | 3 | 2 | 1 | 1 |   |
| 6  | 5  | 4 | 5 | 5 | 3 | 4 | 4 | 5 | 8              |                     | 2 | 4 | 5 | 2 | 1 |   |
| 7  | 6  | 3 | 2 | 2 | 3 | 3 | 2 | 4 | 8              |                     | 1 | 4 | 4 | 2 | 1 |   |
| 8  | 7  | 4 | 5 | 3 | 5 | 4 | 4 | 5 | 1              |                     | 1 | 5 | 5 | 2 | 2 |   |
| 9  | 8  | 3 | 4 | 4 | 4 | 3 | 4 | 2 | 6              |                     | 1 |   | 3 | 1 | 1 |   |
| 10 | 9  | 4 | 4 | 2 | 4 | 3 | 2 | 4 | 10 East Indiai |                     | 1 | 6 | 4 | 2 | 2 |   |
| 11 | 10 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 3              |                     | 1 | 3 | 3 | 1 | 1 |   |
| 12 | 11 | 2 | 3 | 4 | 4 | 4 | 4 | 2 | 3              |                     | 2 | 2 | 1 | 1 | 1 |   |
| 13 | 12 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6              |                     | 1 | 4 | 3 | 1 | 1 |   |
| 14 | 13 | 1 | 2 | 3 | 4 | 3 | 2 | 1 | 5              |                     | 1 | 1 | 3 | 1 | 1 |   |
| 15 | 14 | 4 | 4 | 5 | 5 | 4 | 5 | 3 | 3              |                     | 2 | 4 | 5 | 2 | 1 |   |
| 16 | 15 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4              | 7 Chumash           | 1 | 2 | 3 | 1 | 1 |   |
| 17 | 16 | 3 | 4 | 5 | 3 | 4 | 3 | 3 | 3              |                     | 1 | 4 | 5 | 2 | 1 |   |
| 18 | 17 | 2 | 2 | 1 | 1 | 3 | 3 | 4 | 3              |                     | 1 | 2 | 3 | 1 | 1 |   |
| 19 | 18 | 2 | 2 |   |   | 3 | 3 | 1 | 8              |                     | 1 |   | 3 | 1 | 1 |   |
| 20 | 19 |   |   |   |   |   |   |   |                |                     |   |   |   |   |   |   |
| 21 | 20 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 8              | 10 Decline to state | 2 | 3 | 2 | 1 | 1 |   |
| 22 |    |   |   |   |   |   |   |   |                |                     |   |   |   |   |   |   |
| 23 |    |   |   |   |   |   |   |   |                |                     |   |   |   |   |   |   |
| 24 |    |   |   |   |   |   |   |   |                |                     |   |   |   |   |   |   |
| 25 |    |   |   |   |   |   |   |   |                |                     |   |   |   |   |   |   |
| 26 |    |   |   |   |   |   |   |   |                |                     |   |   |   |   |   |   |

frequencies percentages graphs Indep t-test ANOVA Correlations Sheet1