

| | | Independent variable | | | | | Dependent variable |
|------------|--------|----------------------|---------|------|------|------------|--------------------|
| Quantities | length | Voltage | Current | | | Resistance | |
| Units | (cm) | (volts) | (amps) | | | (ohms) | |
| | | | 1 | 2 | 3 | Average | |
| | 100 | 1.5 | 0.13 | 0.13 | 0.12 | 0.13 | 11.8 |
| | 90 | 1.5 | 0.14 | 0.14 | 0.15 | 0.14 | 10.5 |
| | 80 | 1.5 | 0.16 | 0.20 | 0.16 | 0.16 | 9.4 |
| | 70 | 1.5 | 0.18 | | | 0.18 | 8.3 |
| | 60 | 1.5 | 0.21 | | | 0.21 | 7.1 |
| | 50 | 1.5 | 0.25 | | | 0.25 | 6.0 |
| | 40 | 1.5 | 0.29 | | | 0.29 | 5.2 |
| | 30 | 1.5 | 0.33 | | | 0.33 | 4.5 |
| | 20 | 1.5 | 0.43 | | | 0.43 | 3.5 |

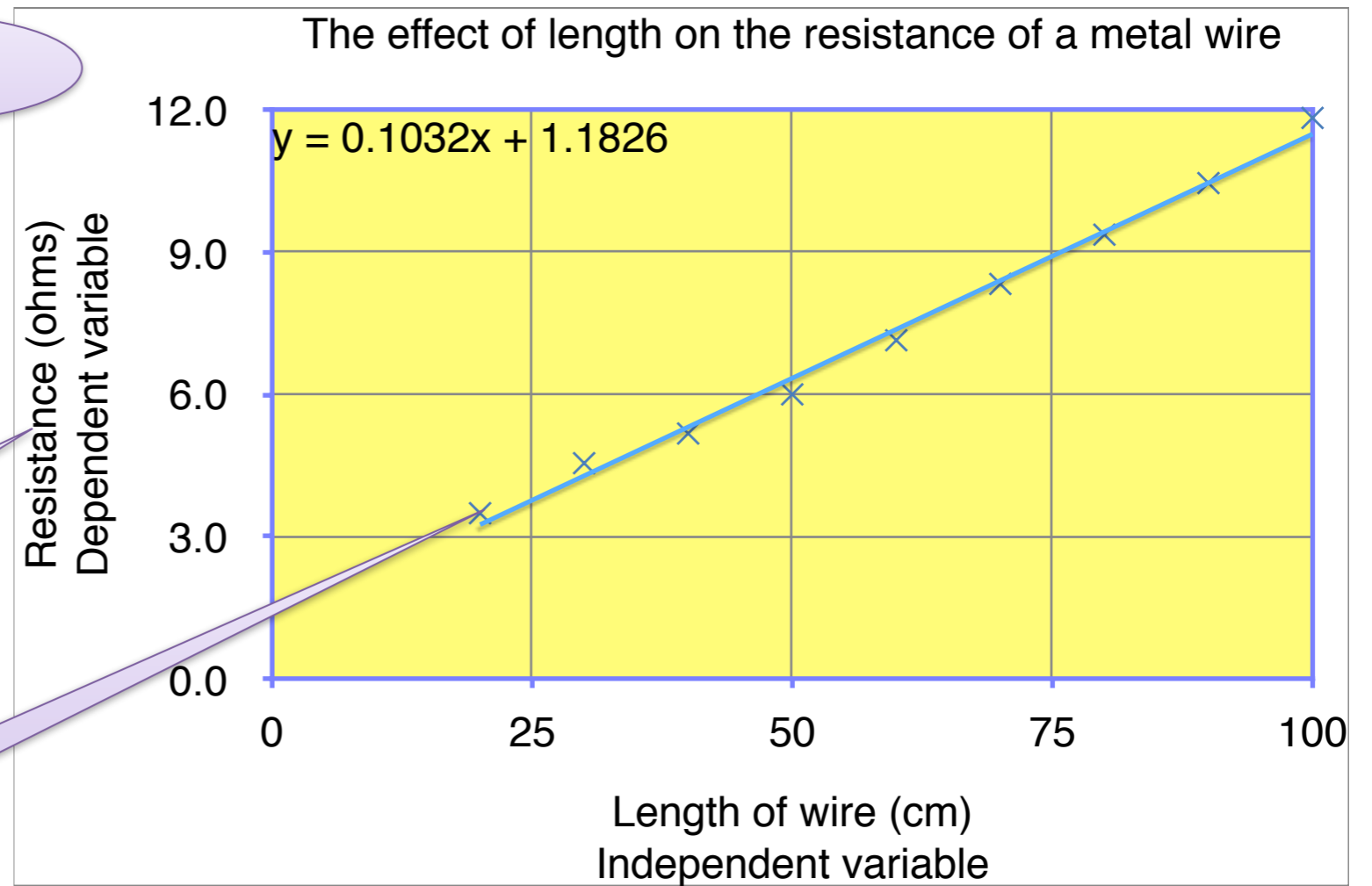
=average(D9:F9)

(B9/G9)

Anomalous result - remove and repeat

Add axis title and units

Right-click on a data point - add Trend line to get a line of best-fit



| Raw data | | | | | | | |
|----------------------|--------|---------|---------|---------|---------|---------|-------------|
| Independent variable | | Voltage | | Current | | Voltage | |
| Quantities | length | Voltage | Current | Voltage | Current | Voltage | Current |
| Units | (cm) | (volts) | (amps) | (volts) | (amps) | (volts) | (amps) |
| | | 1 | 2 | 3 | | | |
| | 50 | 0.5 | 0.40 | 0.5 | 0.42 | 0.5 | 0.40 |
| | 60 | 0.5 | 0.34 | 0.5 | 0.34 | 0.5 | 0.35 |
| | 70 | 0.5 | 0.30 | 0.5 | 0.32 | 0.5 | 0.30 |
| | 80 | 0.5 | 0.28 | 0.5 | 0.28 | 0.5 | 0.28 |
| | 90 | 0.5 | 0.25 | 0.5 | 0.25 | 0.5 | 0.25 |
| | 100 | 0.5 | 0.22 | 0.5 | 0.22 | 0.5 | 0.40 |

| Processed data. | | | | | |
|----------------------|--------|--------------------|-----|-----|-----|
| Independent variable | | Dependent variable | | | |
| Quantities | length | Resistance | | | |
| Units | (cm) | (ohms) | | | |
| | | 1 | 2 | 3 | Avg |
| | 50 | 1.3 | 1.2 | 1.3 | 1.2 |
| | 60 | 1.5 | 1.5 | 1.4 | 1.5 |
| | 70 | 1.7 | 1.6 | 1.7 | 1.6 |
| | 80 | 1.8 | 1.8 | 1.8 | 1.8 |
| | 90 | 2.0 | 2.0 | 2.0 | 2.0 |
| | 100 | 2.3 | 2.3 | 1.3 | 1.9 |