Terry Sturtevant

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Terry Sturtevant Lab Exercise - Introduction to Spreadsheets

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What was important in the previous exercises?

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What was important in the previous exercises?

uncertainties in measurements

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What was important in the previous exercises?

- uncertainties in measurements
- 2 uncertainties in calculated results

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What was important in the previous exercises?

- uncertainties in measurements
- ② uncertainties in calculated results how to improve experiments

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What was important in the previous exercises?

- uncertainties in measurements
- uncertainties in calculated results how to improve experiments
- ③ structure of a lab report

Repetetive Calculations Labels vs. Values Absolute vs. Relative References

Repetetive Calculations

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Repetetive Calculations Labels vs. Values Absolute vs. Relative References

Repetetive Calculations

• Experimentation virtually always involves performing the same calculations for multiple data values or even data sets.

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Repetetive Calculations Labels vs. Values Absolute vs. Relative References

Repetetive Calculations

- Experimentation virtually always involves performing the same calculations for multiple data values or even data sets.
- Spreadsheets make this easy because formulas can be copied and pasted from one location to another to repeat calculations on different data.

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Repetetive Calculations Labels vs. Values Absolute vs. Relative References

Labels vs. Values

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Repetetive Calculations Labels vs. Values Absolute vs. Relative References

Labels vs. Values

 A label is some form of text and can be used in text operations.

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Repetetive Calculations Labels vs. Values Absolute vs. Relative References

Labels vs. Values

- A label is some form of text and can be used in text operations.
- A value is some form of number and can be used in calculations.

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Repetetive Calculations Labels vs. Values Absolute vs. Relative References

Absolute vs. Relative References

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Repetetive Calculations Labels vs. Values Absolute vs. Relative References

Absolute vs. Relative References

• An absolute reference is one that should not change no matter where a formula is copied and pasted.

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- A relative reference is one that should change no matter where a formula is copied and pasted.

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Repetetive Calculations Labels vs. Values Absolute vs. Relative References

Absolute vs. Relative References

- An absolute reference is one that should not change no matter where a formula is copied and pasted.
- A relative reference is one that should change no matter where a formula is copied and pasted.
- Never hardcode values into formulas where you can use a reference instead.

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