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Author

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## Week 8 - Materials

Hello,

Here are some materials for this week:

1. **Causality** ➦ (<https://www.youtube.com/watch?v=leyQvFhFyiY>)
2. **Correlation vs Causation** ➦ ([https://www.youtube.com/watch?v=7bT17r\\_ylrw](https://www.youtube.com/watch?v=7bT17r_ylrw))
3. **Experiment Vs Observational Studies** ➦ (<https://www.youtube.com/watch?v=PH2boHN0tuo>)
4. **Four Principles of an Experiment** ➦ ([https://www.youtube.com/watch?v=\\_qepy1cmRDk](https://www.youtube.com/watch?v=_qepy1cmRDk))
5. **Design of Experiments** ➦ (<https://www.theopeneducator.com/doi>)
6. **Core statistics** ➦ (<https://cambiotraining.github.io/corestats>)
- 7.

# CORRELATION VS. CAUSATION

## CAUSATION

when one thing (a cause) causes another thing to happen (an effect)



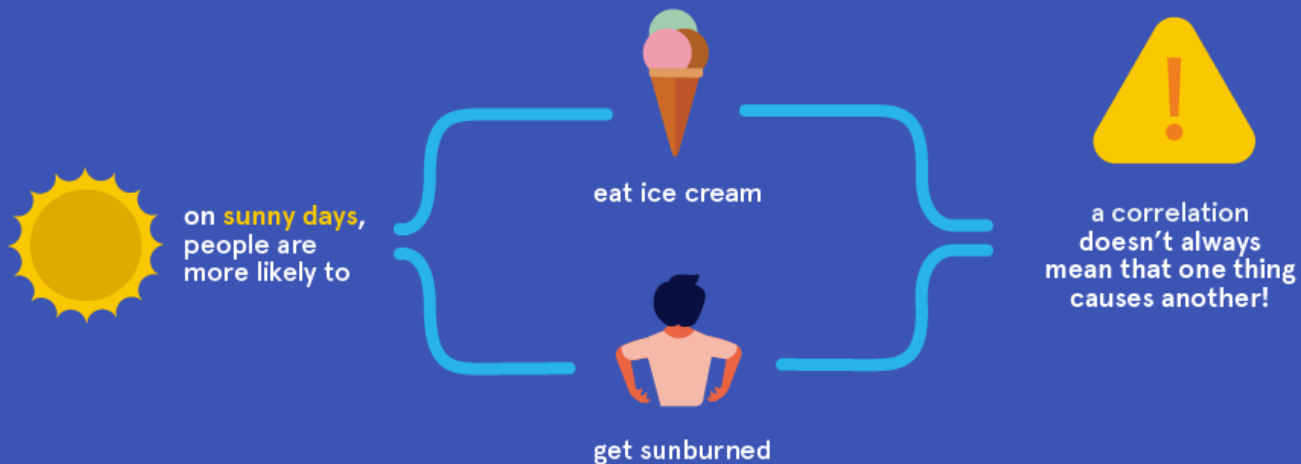
CORRELATION

# CORRELATION

when two or more things appear to be related



**Correlation** doesn't always mean **causation**!



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