

LO2

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Scientific method

- Reduce or remove bias

Observation

- The toaster won't toast

Question

- Why won't my toaster toast?

Hypothesis

- Maybe the outlet is broken

Prediction

- If i plug the toaster into a different outlet then it will toast the bread

Testing

- Plug the toaster into a different outlet and try again

Conclusion

- Hypothesis supported
- Hypothesis not supported

Iterate

- Repeat previous two steps

Communicate

- Share your results so others can learn from your work

Rinse and repeat

- independent studies repeat the experiment by other scientists
- Same conclusion repeated by independent scientists -> scientific consensus
- Scientific assessments - written so non-experts can understand the published studies

- Ex. IPCC
- Studies published are peer reviewed by experts in the field

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