Hi Nancy,

Your hypothesis about the impact of remote work on employee productivity is very relevant, especially with so many people working from home now. I found a dataset that could help you test this idea.

Suggested Dataset:

- **Dataset**: The Impacts of Working Remotely and in an Office (Kaggle, n.d.).
- **Source**: Kaggle
- **Link**: https://www.kaggle.com/datasets/mohamedelzeini/the-impacts-of-working-remotely-and-in-an-office/data

Variables to Consider:

- **Have you ever experienced working from home?**: This variable shows whether the respondents have worked from home before.
- **Do you think that working from home increases your work productivity?**: This variable directly asks about productivity levels during remote work.
- **Which work type keeps you focused while working?**: This variable tells us whether people feel more focused working from home or in the office.
- **Physical and Mental Health Impacts**: This includes questions about how remote work affects physical and mental health (Kaggle, n.d.).

Suggested Statistical Methods:

- **Chi-Square Test**: Use this to check if there's a significant connection between the work environment (remote vs. office) and self-reported productivity (Bobbitt, 2021; Turney, 2022).

- **T-Test**: Use this to compare the average productivity levels between those who prefer working from home and those who prefer working in the office (Bevans, 2020).

References

Bevans, R. (2020, January 31). *An Introduction to t Tests | Definitions, Formula and Examples*. Scribbr. https://www.scribbr.com/statistics/t-test/

Bobbitt, Z. (2021, August 25). *4 Examples of Using Chi-Square Tests in Real Life*. Statology. https://www.statology.org/chi-square-test-real-life-examples/

kaggle (n.d.). *The Impacts of Working Remotely and in an Office*. Retrieved August 23, 2024, from https://www.kaggle.com/datasets/mohamedelzeini/the-impacts-of-working-remotely-and-in-an-office/data

Turney, S. (2022, May 23). *Chi-Square (X^2) Tests | Types, Formula & Examples*. Scribbr. https://www.scribbr.com/statistics/chi-square-tests/