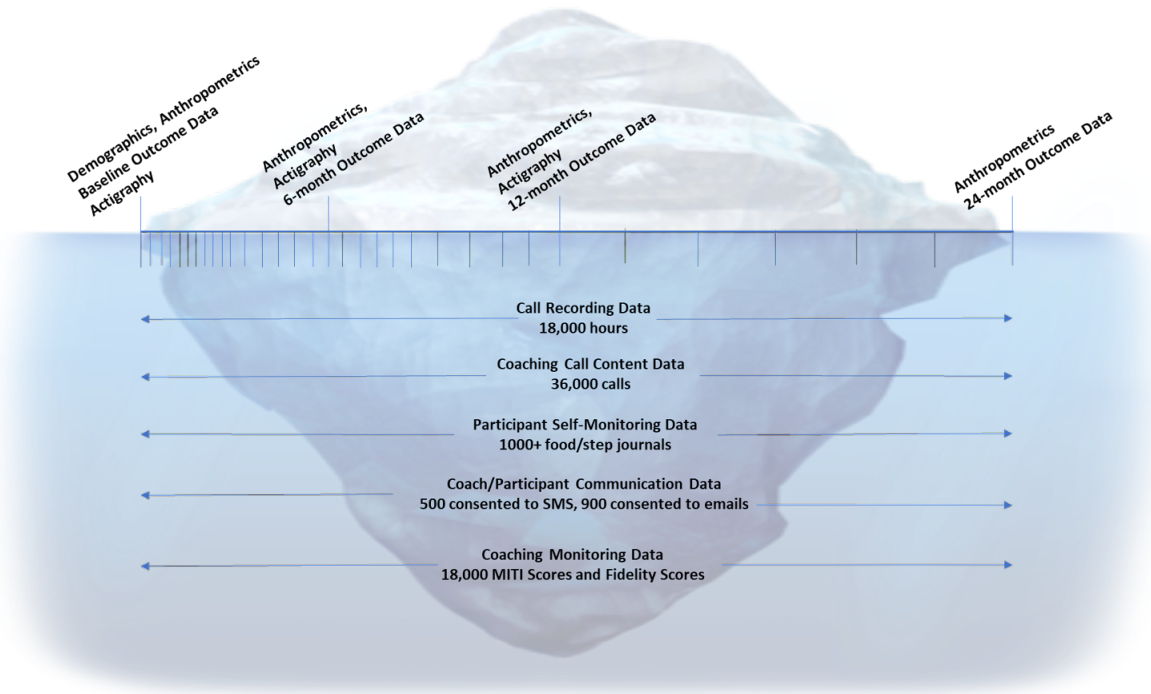# Lessons Learned from a Secondary Analysis Using Natural Language Processing and Machine Learning from a Lifestyle Intervention

BACKGROUND

- A secondary analysis of recorded telephone health coaching calls (n=323) from the LIvES Study (GOG 0225) utilizing machine learning and natural language processing (NLP) to automate fidelity and predict lifestyle behavioral outcomes

METHODS

- Numerous time-consuming post-hoc steps were necessary to prepare data.
- Data infrastructure
- Transcription systems
- MITI scoring

CONCLUSION

- Behavioral interventions should engage the support of a computational scientist in the study design planning stage.

REFERENCES

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