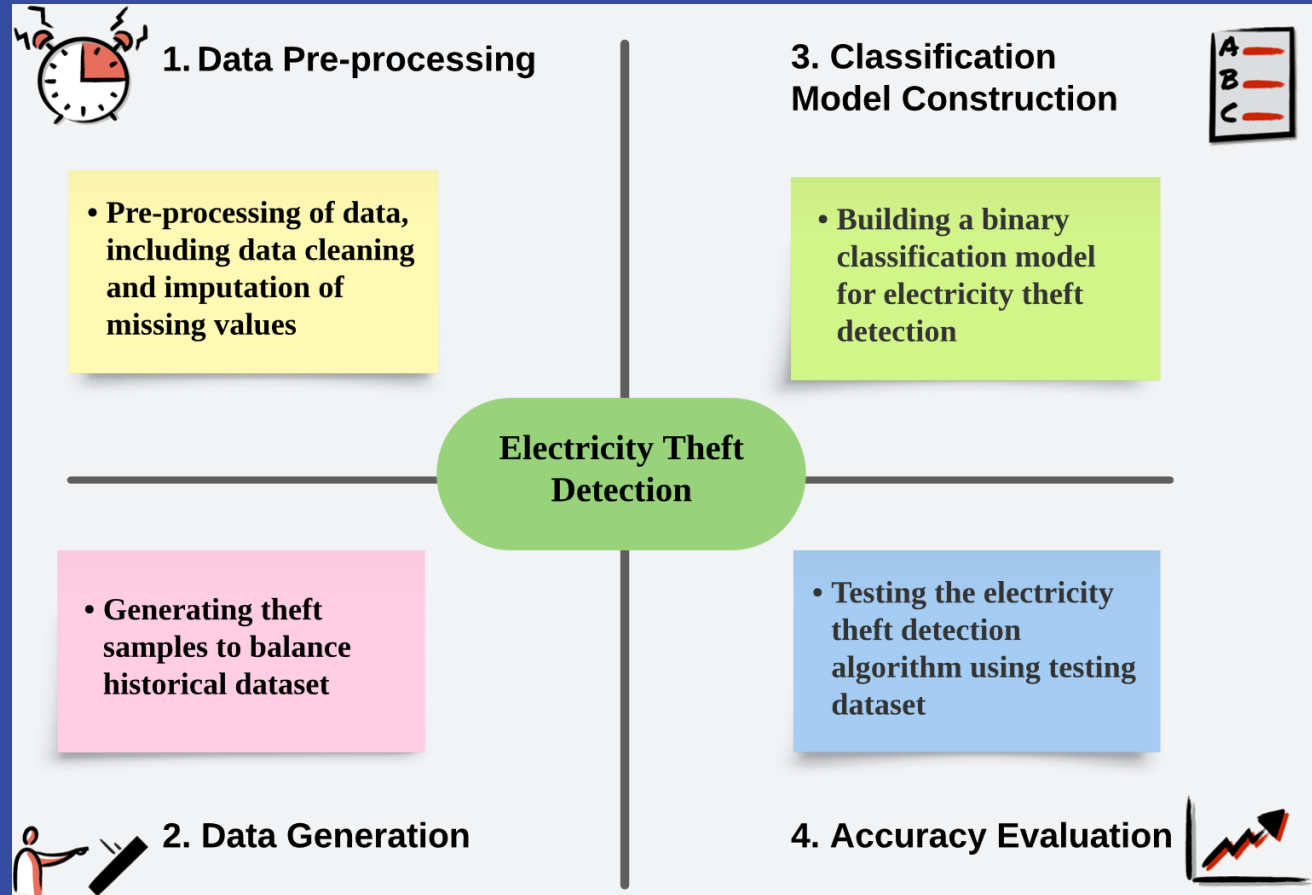
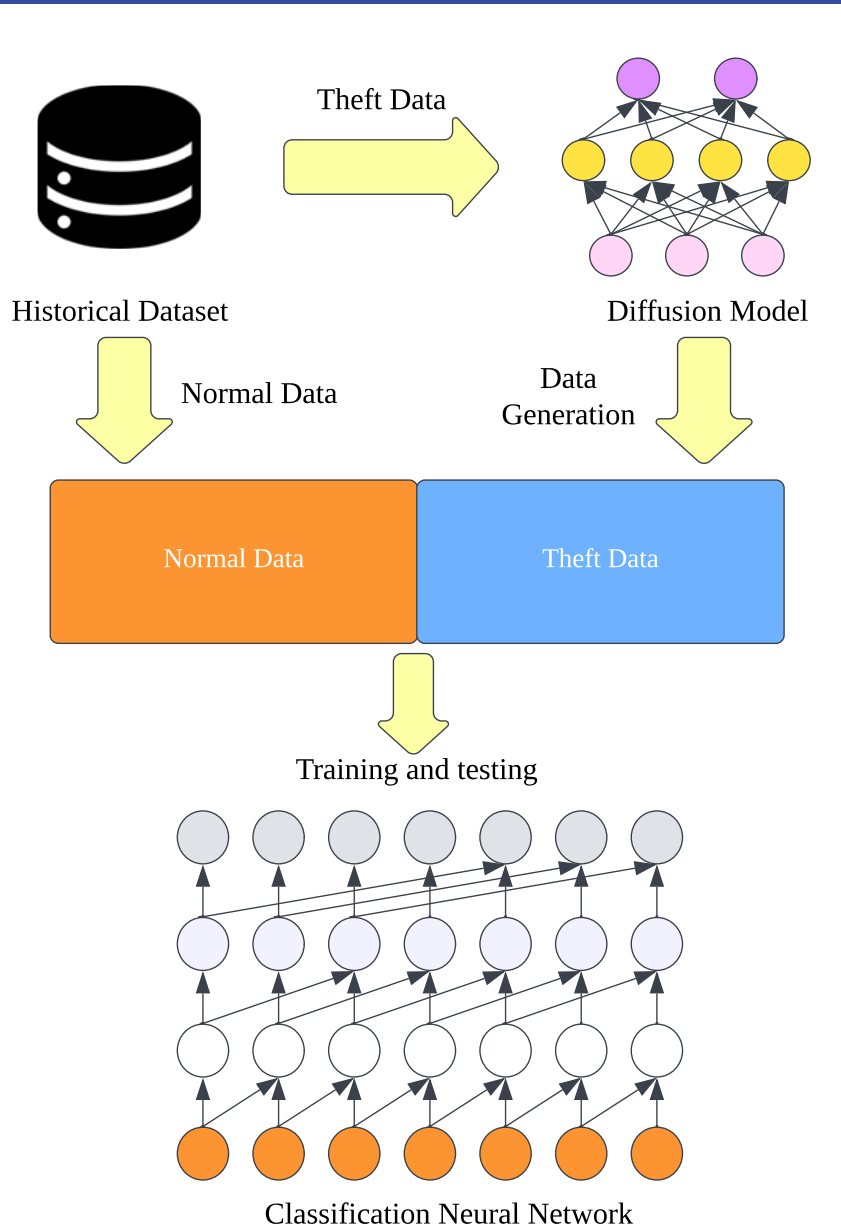


# Deep Learning for Electricity Theft Detection based on Generative Diffusion and Temporal Convolutional Networks

DOE American Made - Digitizing Utilities: Round 2



## Key project members:

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## Key previous work:

- R. Moghaddass and J. Wang, "A hierarchical framework for smart grid anomaly detection using large-scale smart meter data," IEEE Transactions on Smart Grid, vol. 9, no. 6, pp. 5820–5830, 2018.
- M. Yue, T. Hong, and J. Wang, "Descriptive analytics-based anomaly detection for cybersecurity load forecasting," IEEE Transactions on Smart Grid, vol. 10, no. 6, pp. 5964–5974, 2019.