Professional Interview

# Background

The person I interviewed has been working as a data scientist for six years. She spent the first two years at an energy consulting company and spent most of her time making automated dashboards for higher ups and working on two projects. For the purpose of this paper, we’ll call this company Energy Consultants. The first was a project for predicting failures and maintenance for electric submersible pumps. The second was detecting methane leaks using satellite images and infrared drone footage in an image classification model.

Her second and current position is as a higher-level data scientist at a petrochemical company – we’ll call this PetroChemical Inc. She is on the Upstream Analytics team and has done work on production forecasting for the company’s wells in the Permian Basin and created a Bayesian optimization pipeline for well spacing and completion parameters.