

INSIGHT,

Off-Grid Power Predictor

Nick Turman-Bryant Portland, Oregon

126M Grid-Tied Homes (US)

200,000Off-Grid Homes (US)

4M Off-Grid Homes (worldwide)







30 kWh / day

8 kWh / day

0.5 kWh / day



























WEATHER UNDERGROUND

































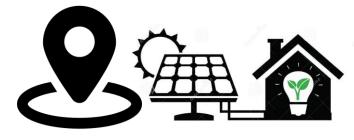














EXTREME GRADIENT BOOSTING WITH XGBOOST





























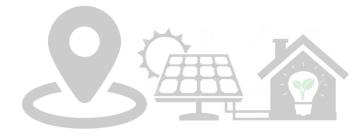
















Next week's predicted sunlight and power









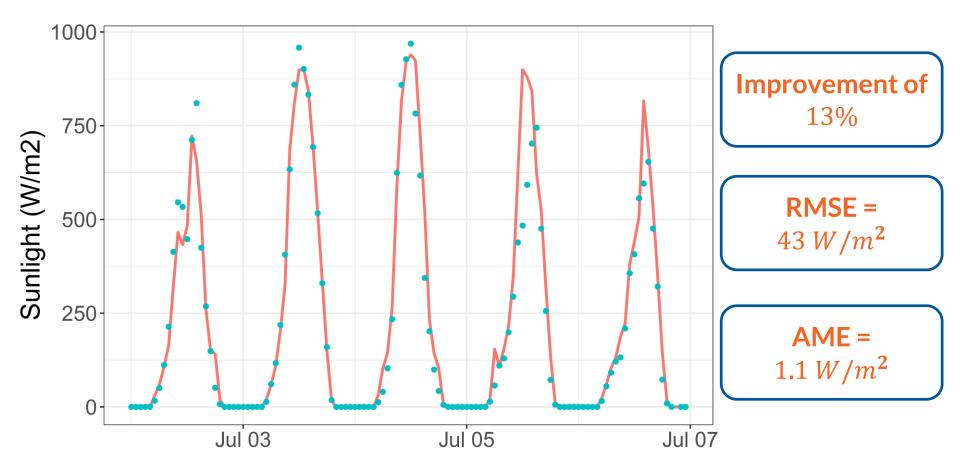








→ Predicted → Actual



Nick Turman-Bryant



PhD in Systems Science

MSc in Energy, Tech, Policy



