Harvesting Sunlight: Solar Panel Suitability in the US

Introduction

A leading force in renewable energy solutions is gearing up to broaden its horizons by venturing into the solar panel industry.

Our aim is to highlight the ongoing trends and numerous benefits linked to solar energy while emphasizing our unwavering commitment to environmental responsibility through dedicated carbon offset initiatives.

Solar Synergy: Trends in Sunroof-Integrated Panels

Innovative Designs

Residential Adoption

Commercial Use

Maximizing Solar Gains: Sunroofs' Key Benefits

Efficiency

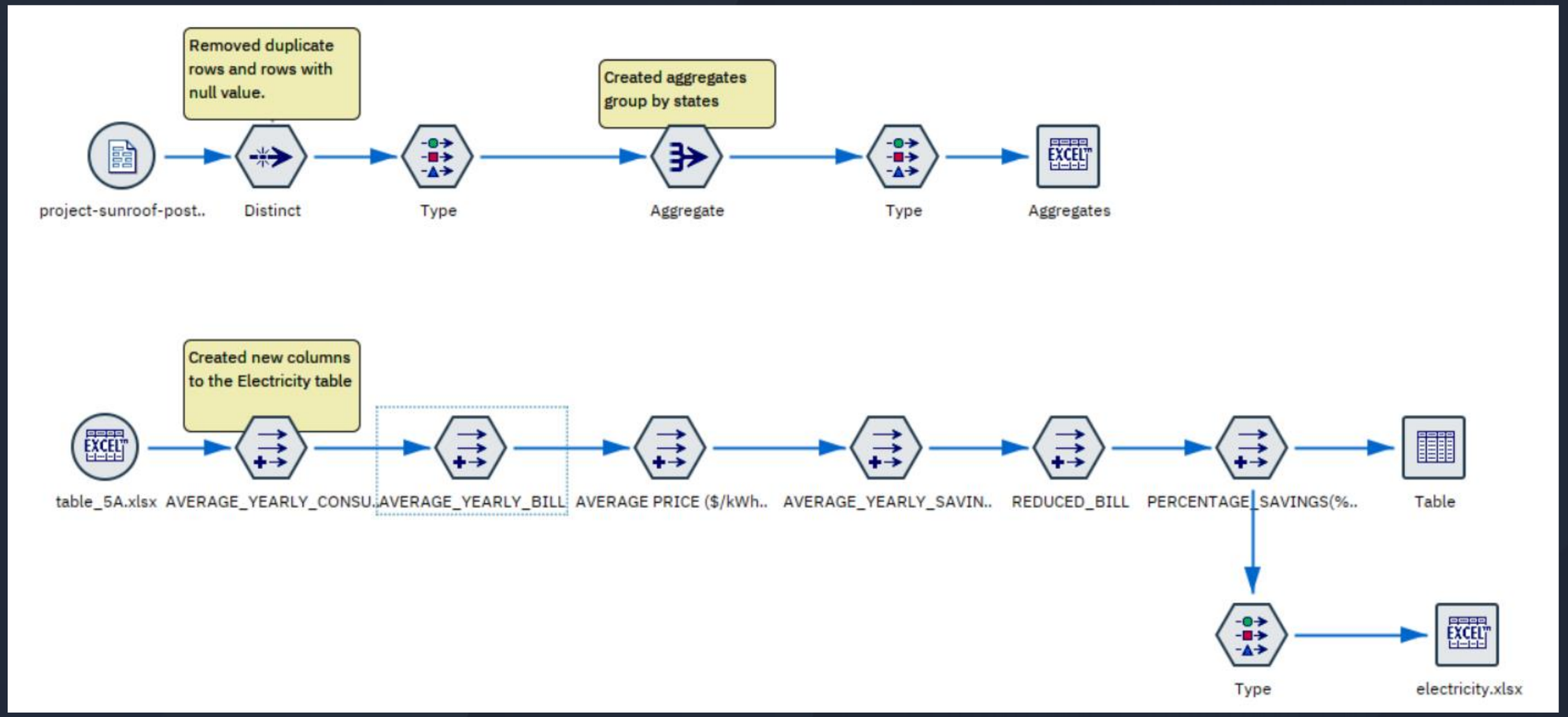
Cost Savings

Renewable & Clean

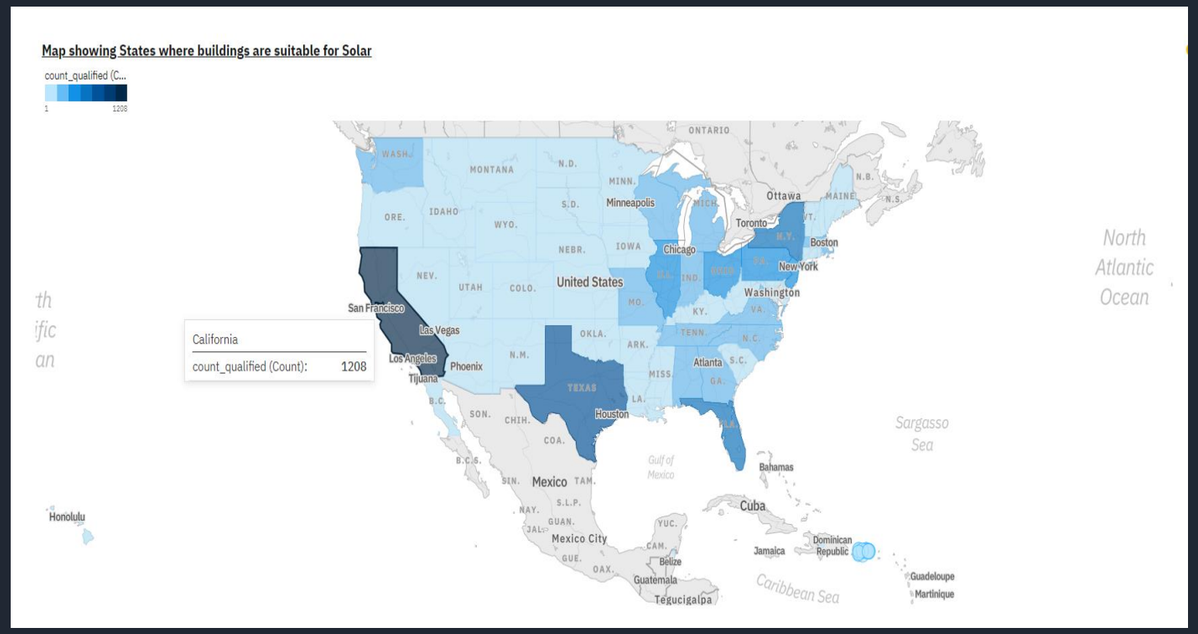
Balancing the Scales: The Crucial Role of Carbon Offset

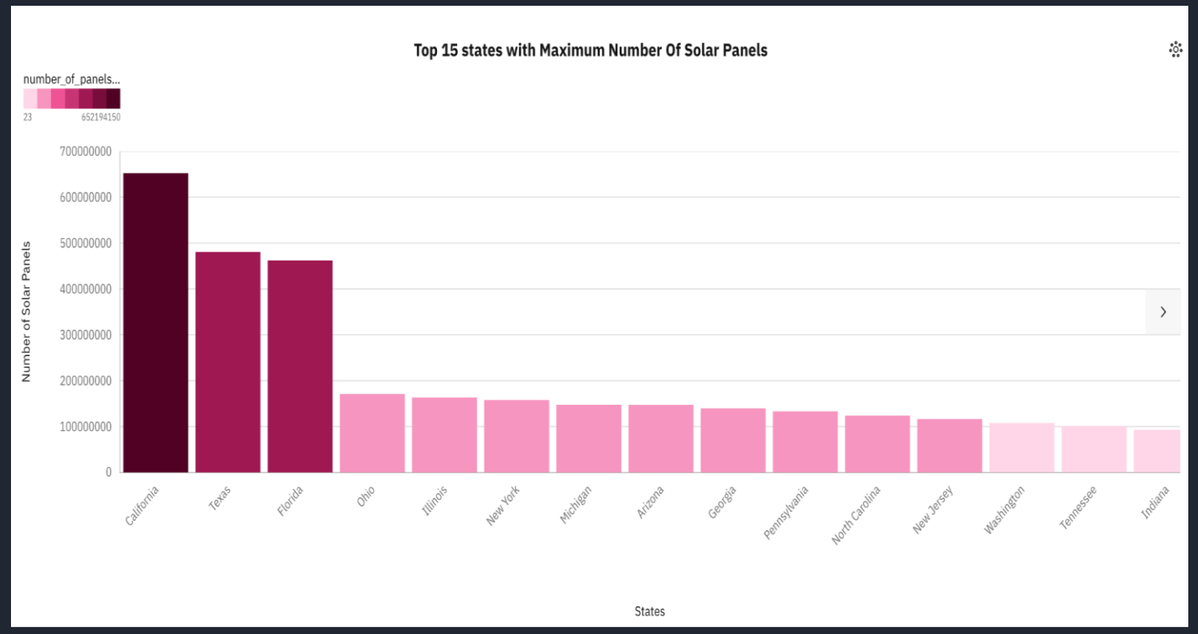
- Environmental Impact
- Sustainable Practices
- Global Awareness
- Long-Term Sustainability

Data Refinement: SPSS Modeler in Action



Insights Unveiled: Navigating Data with Cognos





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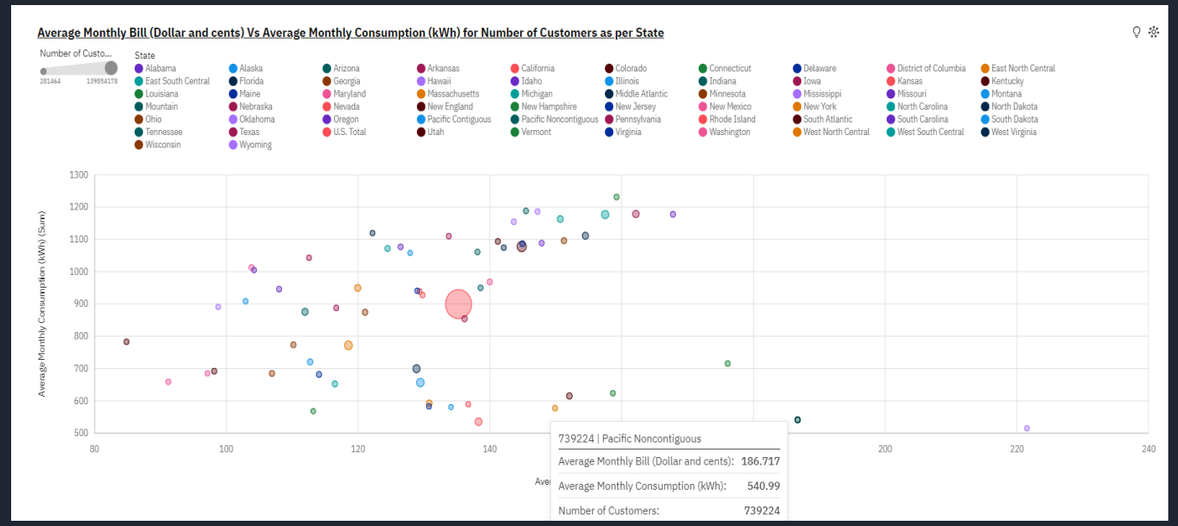

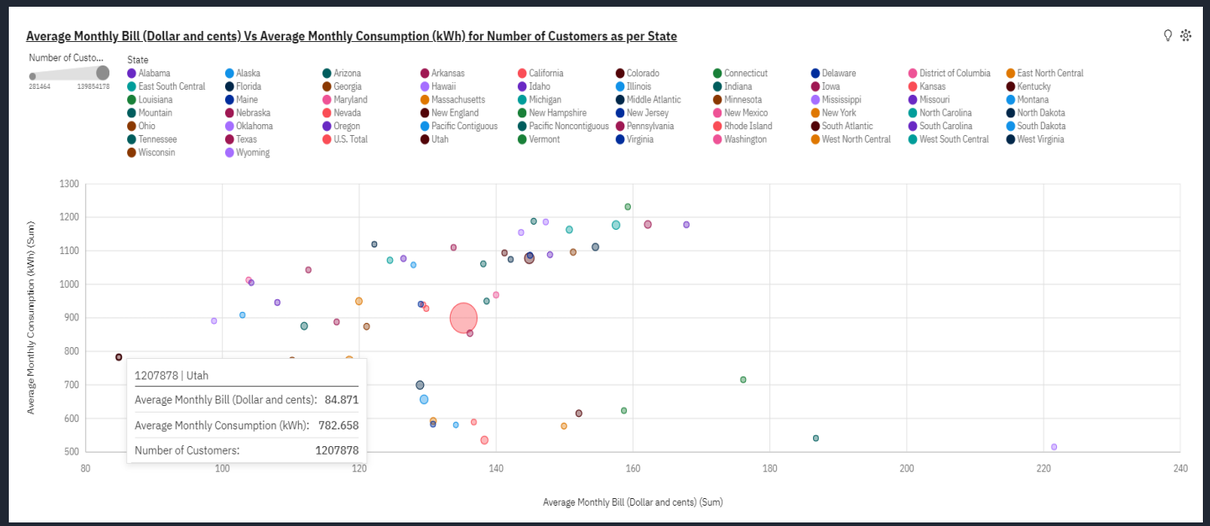

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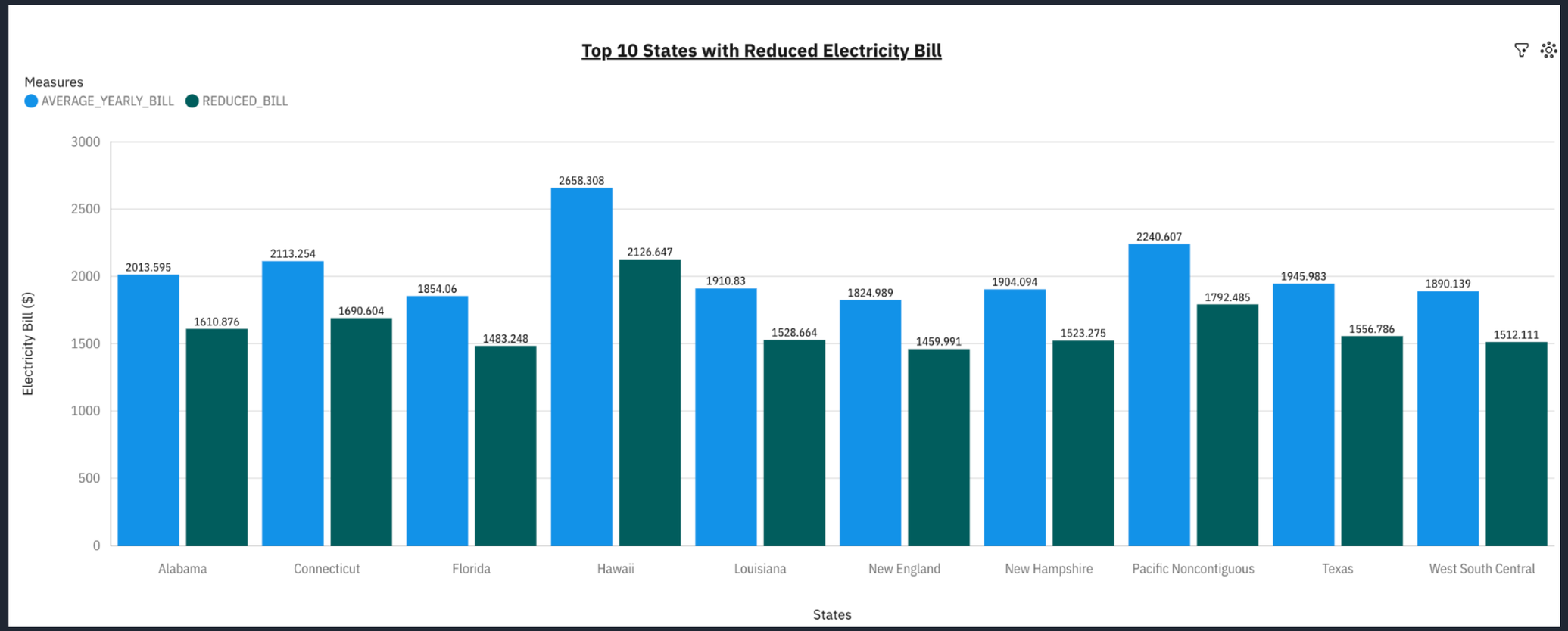
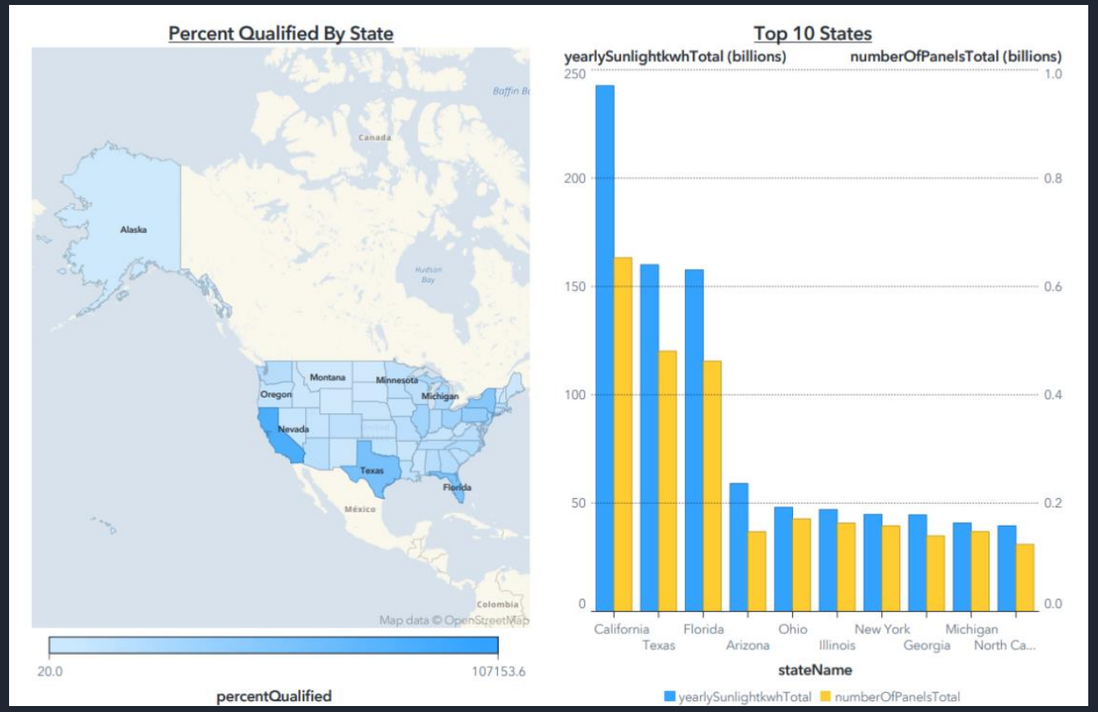
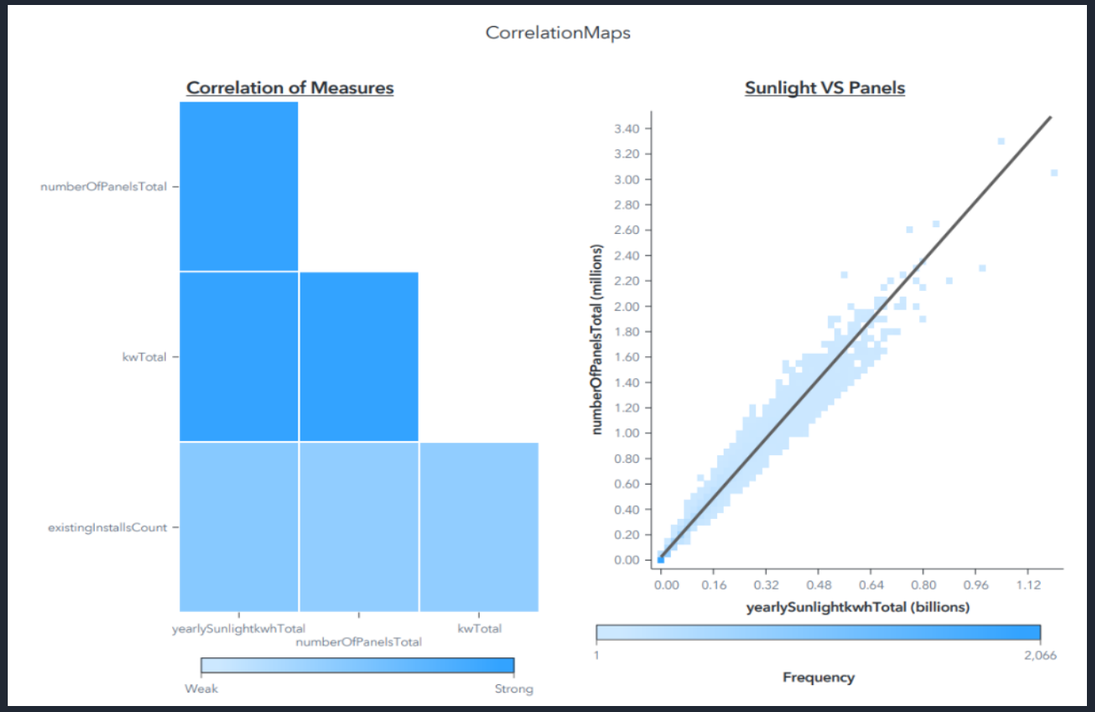
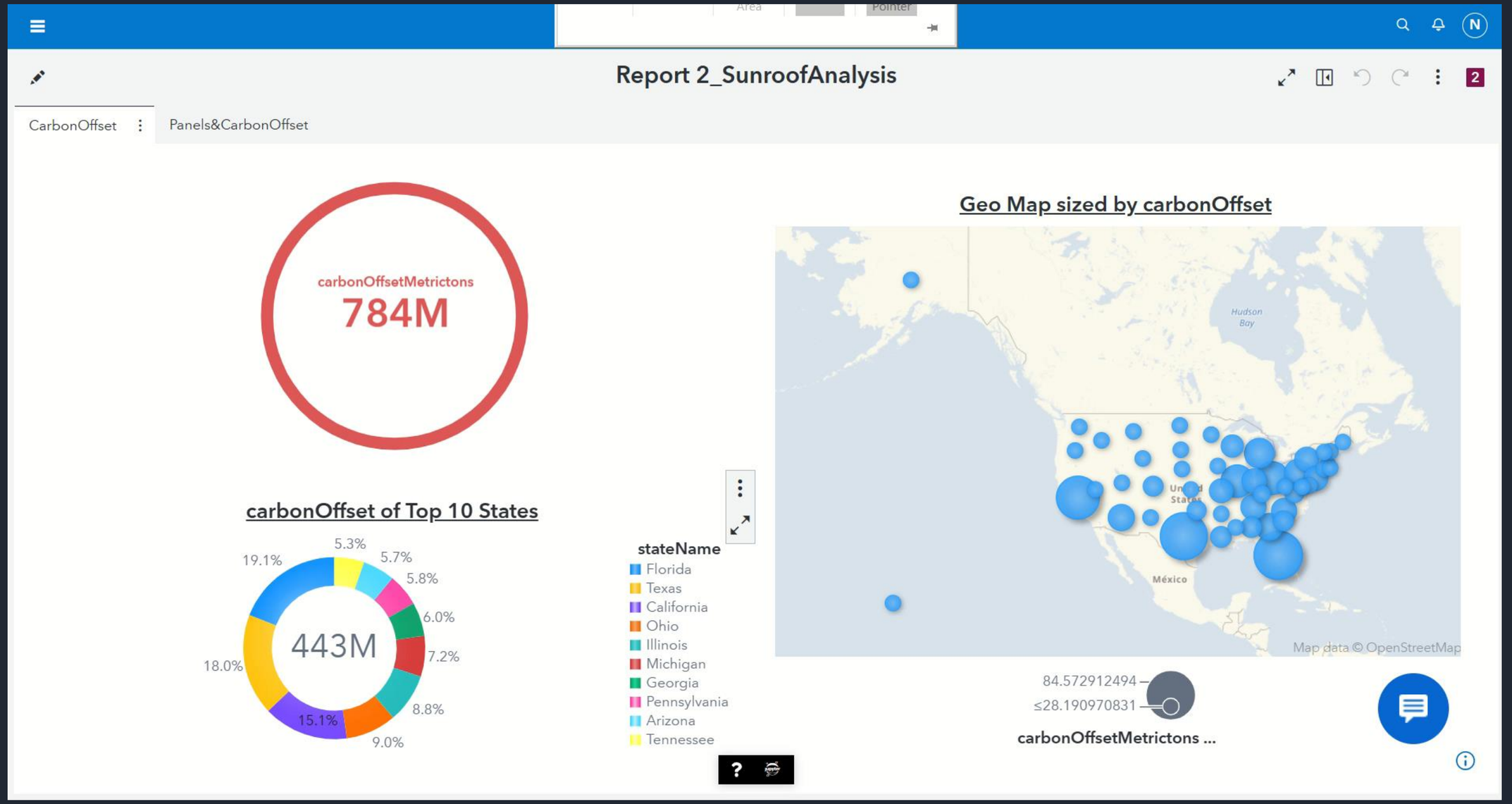


State Spotlight: Top 10 in Focus





Carbon Offset Chronicles: Navigating a Greener Future



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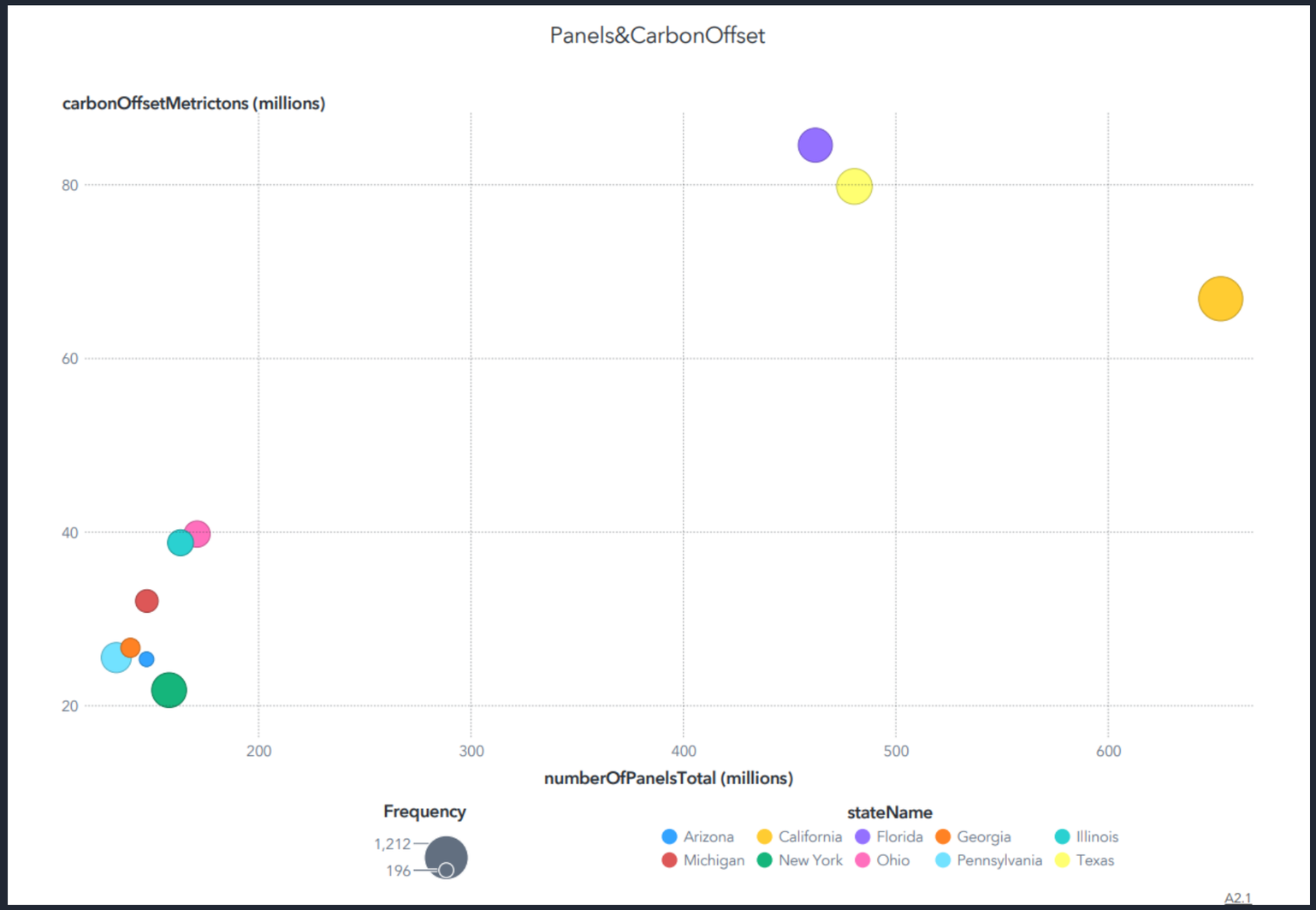
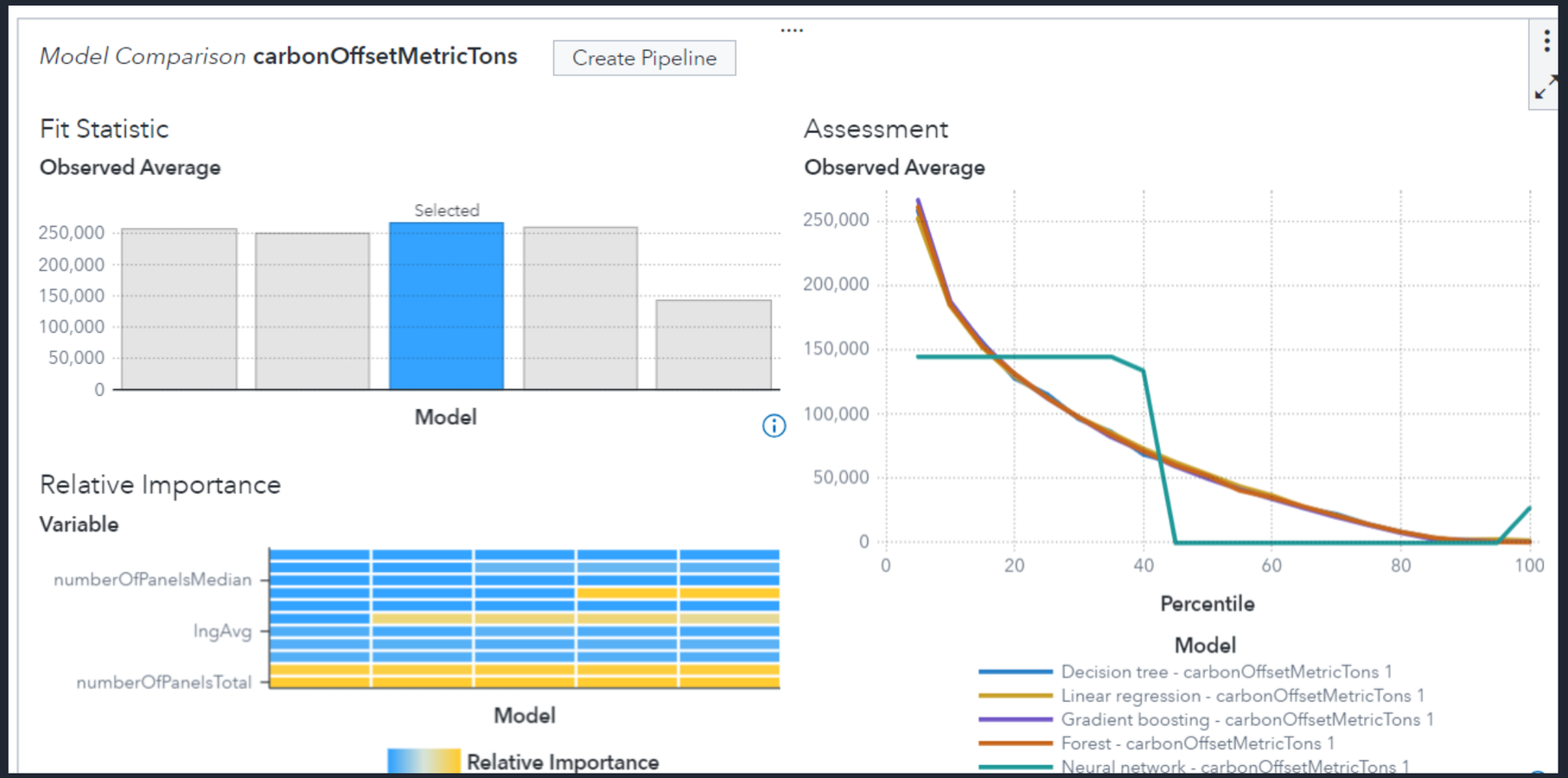


Forecasting Green Impact: Our Carbon Offset Model



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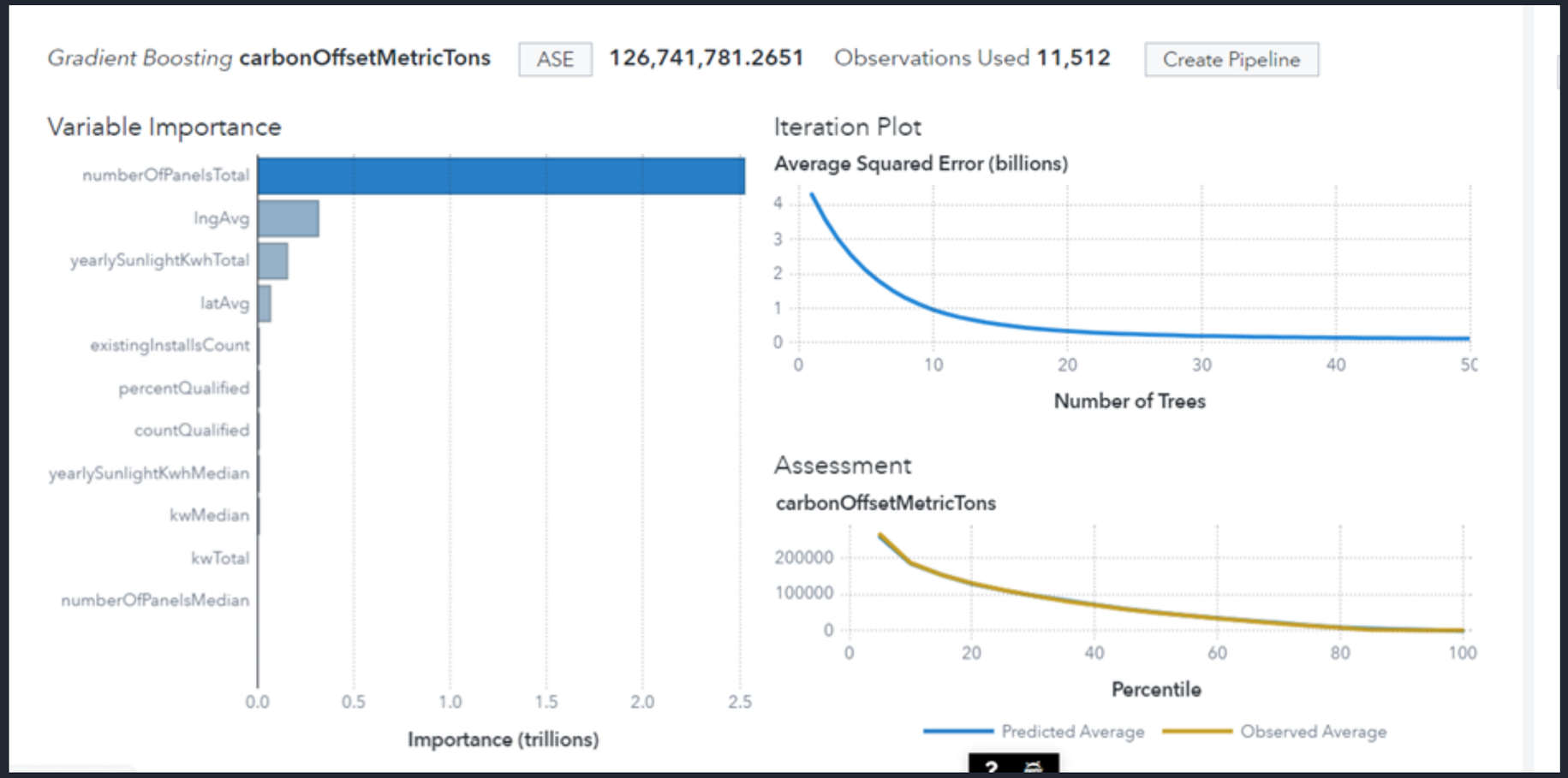

Conclusion

Our data analysis has unveiled vital insights, spotlighting top states for business expansion and providing a profound understanding of carbon offset metrics. With a focus on rooftop solar, our project aims to inspire widespread adoption, offering financial savings while championing environmental responsibility.
As carbon offset strategies evolve, we recognize the potential for personalized, localized, and technologically advanced approaches. We commit to being active contributors, fostering these changes through ongoing research, collaboration, and strategic investment. Our goal is to shape a sustainable future, balancing economic benefits with environmental preservation.

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- Electricity - U.S. Energy Information Administration (EIA)
- https://github.com/siddsapte12/SunRoofAnalysis/blob/master/sunroofanalysis.ipynb
- Slides made with Gamma


Thank You