

OPTIMIZING ENERGY DEMAND FORECASTING



Optimizing Energy Demand Forecasting

Seif H. Kungulio

November 09, 2025

Contents

1 R Markdown	3
2 Business Understandning	4
3 Data Understandning	5
4 Data Preparation	6
5 Modeling	7
6 Evaluation	8
7 Deployment	9
8 Conclusion	10

1 R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed          dist
##  Min.   : 4.0   Min.   :  2.00
##  1st Qu.:12.0   1st Qu.: 26.00
##  Median :15.0   Median : 36.00
##  Mean    :15.4   Mean    : 42.98
##  3rd Qu.:19.0   3rd Qu.: 56.00
##  Max.    :25.0   Max.    :120.00
```

2 Business Understanding

3 Data Understandning

4 Data Preparation

5 Modeling

6 Evaluation

7 Deployment

8 Conclusion