**Sales Forecasting with Prophet and LSTM: Documentation**

**Table of Contents**

1. **Introduction**
   * Purpose of Documentation
   * Overview of Forecasting Techniques
2. **Getting Started**
   * Installation and Setup
   * Required Libraries and Dependencies
3. **Data Preparation**
   * Data Requirements
   * Data Preprocessing
     + Formatting Time Series Data
     + Handling Missing Values
     + Feature Engineering (if applicable)
4. **Prophet Time Series Forecasting**
   * Introduction to Prophet
   * Data Format for Prophet
   * Model Configuration
   * Training the Prophet Model
   * Generating Forecasts
   * Hyperparameter Tuning
   * Visualizing Results
5. **LSTM (Long Short-Term Memory) Networks**
   * Introduction to LSTM
   * Data Preparation for LSTM
     + Sequencing Time Series Data
     + Scaling Data
   * Building the LSTM Model
   * Compiling and Training the Model
   * Making Future Predictions
   * Model Evaluation and Metrics (if applicable)
6. **Choosing the Right Method**
   * Factors to Consider
     + Data Characteristics
     + Amount of Data
     + Complexity of Patterns
     + Familiarity and Expertise
7. **Combining Methods**
   * Ensembling Prophet and LSTM (if desired)
8. **Best Practices**
   * Data Splitting for Training and Testing
   * Cross-Validation (if applicable)
   * Model Evaluation and Validation
   * Overfitting Mitigation
   * Interpretability of Results
9. **Advanced Topics**
   * Handling Seasonality and Trends
   * Incorporating External Factors (holidays, events, etc.)
   * Optimization Techniques
10. **Troubleshooting and Tips**
    * Common Issues and Solutions
    * Debugging Tips
11. **Case Studies (Optional)**
    * Real-world examples of sales forecasting using Prophet and LSTM
12. **References**
    * Links to relevant research papers, articles, and resources
13. **Appendix**
    * Code Samples (Python)
    * Data Sample (if available)
14. **Glossary**
    * Key Terminology
15. **Support and Contact Information**
    * How to seek help or contact support (if applicable)

**Conclusion**

In your documentation, provide clear and concise explanations, code examples, and visuals where necessary to help users understand and implement the forecasting techniques effectively. Additionally, consider including practical use cases and real-world examples to demonstrate the application of Prophet and LSTM for sales forecasting.

Remember to keep the documentation up to date and provide references to external resources and further reading materials to support users in their learning journey.