

Where Are RNNs Used? Real-World Applications

Text Generation

Write stories, poetry, code

Example: ChatGPT, GitHub Copilot

Machine Translation

Translate between languages

Example: Google Translate

Speech Recognition

Convert speech to text

Example: Siri, Alexa

Sentiment Analysis

Analyze emotions in text

Example: Product reviews, social media

Time Series Prediction

Predict stock prices, weather

Example: Financial forecasting

RNNs power billions of daily interactions:

- 100+ billion Google Translate requests/day
- Millions of voice assistant queries
- Content generation in social media