NLP Pipeline: From Raw Text to User Understanding
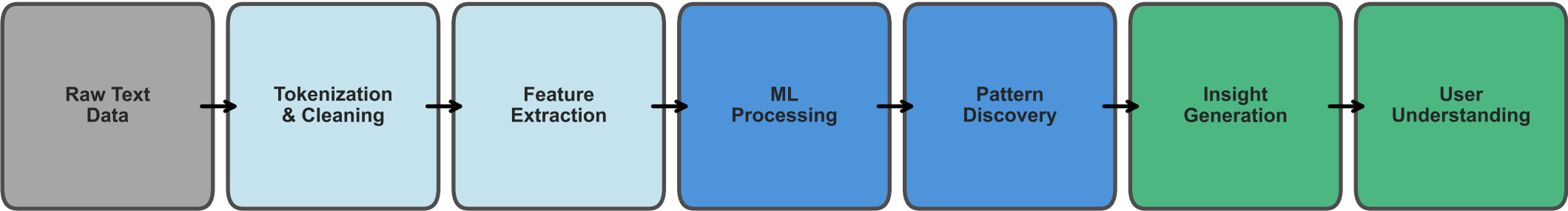
Raw Text Data	Tokenization & Cleaning	Feature Extraction	ML Processing	Pattern Discovery	Insight Generation	User Understanding
10K reviews 100K sentences	Split into words/phrases	TF-IDF Embeddings	Sentiment Clustering	Topics Segments	Hypotheses Priorities	Actionable Insights

Traditional: 2-3 weeks

AI-Powered: 2-3 hours