Wavelet-Based Sensor Data Processing System

Data Ingestion — Configure Processing → **⚙ Configuration** — Parameters → **Processing**

Data Ingestion
- CSV Input
- Data Loading
- Preprocessing

⚙ Configuration
- Sensor Config
- Wavelet Params
- Thresholding

Processing
- Decomposition
- Denoising
- Reconstruction

Output ← Processed Data

Cleaned Data • Visuals • Reports

Analysis Input

Analysis
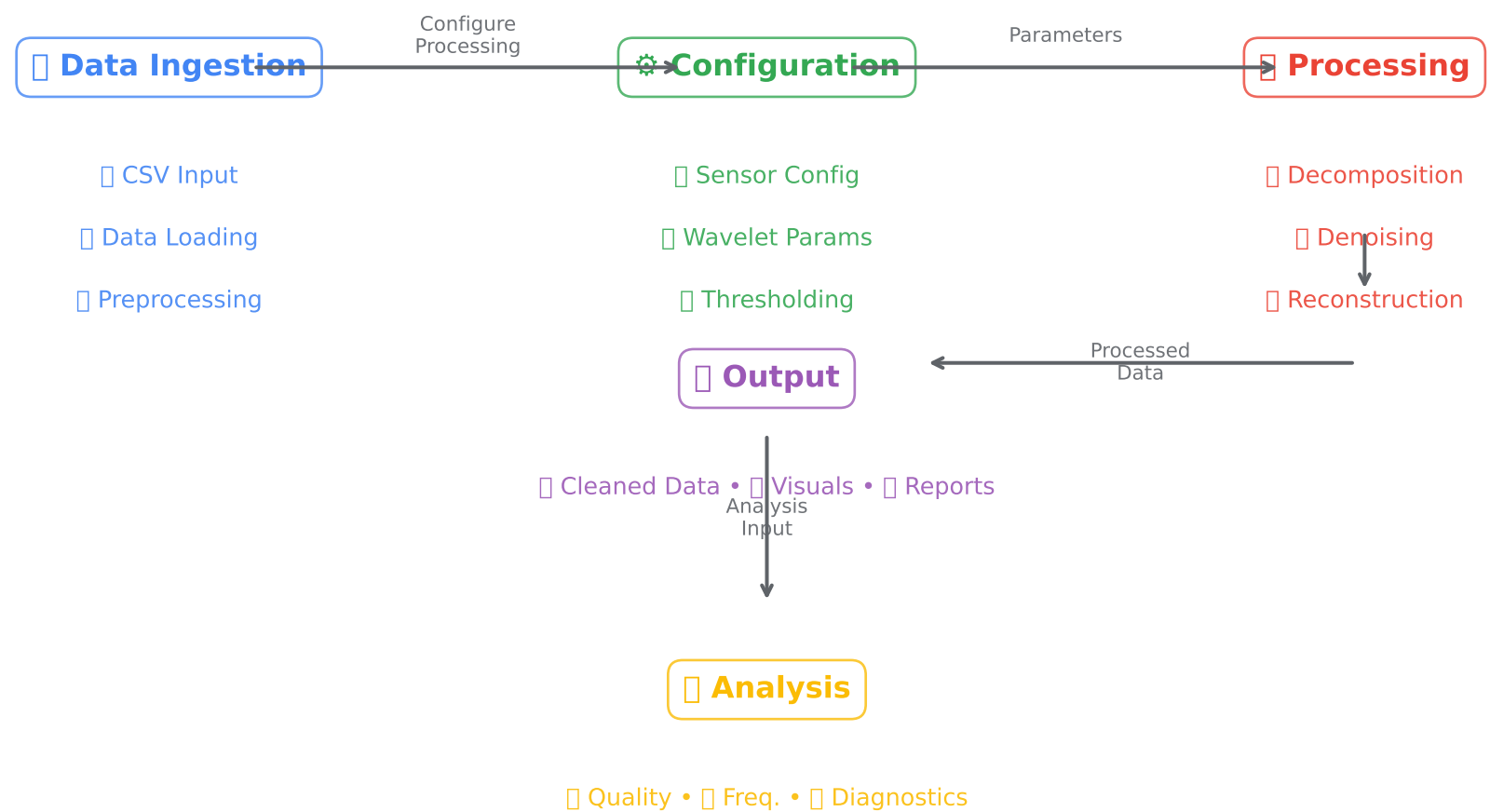
Quality • Freq. • Diagnostics

Figure 1: Wavelet-Based Sensor Data Processing Architecture with Unicode Icons