from graphviz import Digraph

# Create a Digraph object

dot = Digraph(comment='Emotion Analysis Flowchart')

# Add nodes

dot.node('A', 'DATA COLLECTION\n– Real-time social media feeds')

dot.node('B', 'DATA CLEANING\n– Removing spam/irrelevant posts\n– Normalizing text')

dot.node('C', 'EDA\n– Checking data distribution\n– Visualizing key metrics')

dot.node('D', 'EMOTION EXTRACTION\n– Applying sentiment analysis\n– Identifying emotional tones (e.g., joy, anger)\n– Aggregating sentiments')

dot.node('E', 'REPORTING\n– Generating real-time visualizations\n– Summarizing emotion trends\n– Informing stakeholders')

# Add edges

dot.edges(['AB', 'BC', 'CD', 'DE'])

# Save and render

dot.render('emotion\_analysis\_flowchart', format='png', view=True)