from graphviz import Digraph

# Create a Digraph object

dot = Digraph(comment='Process Flow')

# Define nodes with custom labels

dot.node('A', 'DATA\nCOLLECTION')

dot.node('B', 'DATA\nPROCESSING')

dot.node('C', 'MODEL\nSELECTION &\nTRAINING')

dot.node('D', 'PREDICTION &\nEVALUATION')

dot.node('E', 'RESULT\nANALYSIS &\nCONCLUSION')

# Define edges (connections between nodes)

dot.edge('A', 'B') # Data Collection -> Data Processing

dot.edge('B', 'D') # Data Processing -> Prediction & Evaluation

dot.edge('D', 'C') # Prediction & Evaluation -> Model Selection & Training

dot.edge('C', 'E') # Model Selection & Training -> Result Analysis & Conclusion

dot.edge('E', 'A') # Result Analysis & Conclusion -> Data Collection (loop)

# Render and view the flow chart (optional)

1. render('process\_flow', format='png', view=True)

