from graphviz import Digraph

# Create a new directed graph

flowchart = Digraph(format='png')

flowchart.attr(rankdir='TB', size='8')

# Define each step as a node

steps = [

"Problem Definition",

"Data Collection",

"Data Preprocessing",

"Exploratory Data Analysis",

"Feature Engineering",

"Model Development",

"Model Evaluation",

"Deployment & Reporting"

]

# Add nodes and edges in sequence

for i, step in enumerate(steps):

flowchart.node(str(i), f"{step}", shape='box')

if i > 0:

flowchart.edge(str(i-1), str(i))

# Save and render the flowchart

flowchart.render('ml\_pipeline\_flowchart', view=True)