Flujo del proyecto

import matplotlib.pyplot as plt

import matplotlib.patches as mpatches

# Crear la figura

fig, ax = plt.subplots(figsize=(12, 10))

# Crear cajas para cada etapa

boxes = [

{"name": "Adquisición de Datos", "xy": (0.1, 0.9)},

{"name": "Almacenamiento", "xy": (0.1, 0.8)},

{"name": "Limpieza y Preprocesamiento", "xy": (0.1, 0.7)},

{"name": "Análisis Exploratorio (EDA)", "xy": (0.1, 0.6)},

{"name": "Ingeniería de Características", "xy": (0.1, 0.5)},

{"name": "Modelado", "xy": (0.1, 0.4)},

{"name": "Validación del Modelo", "xy": (0.1, 0.3)},

{"name": "Optimización del Modelo", "xy": (0.1, 0.2)},

{"name": "Despliegue del Modelo", "xy": (0.1, 0.1)},

{"name": "Monitoreo", "xy": (0.6, 0.1)},

{"name": "Mantenimiento del Pipeline", "xy": (0.6, 0.2)},

]

# Dibujar las cajas

for box in boxes:

rect = mpatches.FancyBboxPatch(box['xy'], 0.4, 0.07, boxstyle="round,pad=0.1",

edgecolor="black", facecolor="skyblue")

ax.add\_patch(rect)

ax.text(box['xy'][0] + 0.2, box['xy'][1] + 0.035, box['name'], fontsize=10, ha='center')

# Dibujar las flechas

for i in range(len(boxes) - 3):

ax.annotate('', xy=(boxes[i+1]['xy'][0] + 0.2, boxes[i+1]['xy'][1] + 0.07),

xytext=(boxes[i]['xy'][0] + 0.2, boxes[i]['xy'][1]),

arrowprops=dict(facecolor='black', shrink=0.05, width=1, headwidth=6))

# Flechas para monitoreo y mantenimiento

ax.annotate('', xy=(boxes[-1]['xy'][0] + 0.2, boxes[-1]['xy'][1] + 0.07),

xytext=(boxes[-2]['xy'][0] + 0.2, boxes[-2]['xy'][1]),

arrowprops=dict(facecolor='black', shrink=0.05, width=1, headwidth=6))

ax.annotate('', xy=(boxes[-2]['xy'][0] + 0.2, boxes[-2]['xy'][1] + 0.07),

xytext=(boxes[-3]['xy'][0] + 0.2, boxes[-3]['xy'][1]),

arrowprops=dict(facecolor='black', shrink=0.05, width=1, headwidth=6))

# Ajustes generales

ax.set\_xlim(0, 1)

ax.set\_ylim(0, 1)

ax.axis('off')

# Mostrar el diagrama

plt.show()