指引

1.第二頁為需要提供的指令, 請根據以下指示修改下面指定然後再貼上到GPT

2.首先把這句 while please modify the below so that it output correctly

以下的下面代碼全部刪掉

3.然後把中文字顯示不正確的代碼複製然後貼上到該句的下面

4. 然後把第二頁全部指令由第一行開始貼上到GPT

here is the format i want for the word

# 擴充關係，包括孔子、曾參、顏回等早期哲人，以及補足其他王門後學與心學系譜 expanded\_edges = [ # 古代聖人系統 ("孔丘", "曾參"), ("曾參", "顏回"), ("孔丘", "陸九淵"), ("孔丘", "朱熹"), # 宋代理學與心學 ("朱熹", "程敏政"), ("陸九淵", "楊簡"), ("陸九淵", "王守仁"), ("楊簡", "王守仁"), # 陽明心學傳承 ("王守仁", "王畿"), ("王守仁", "錢德洪"), ("王守仁", "聶豹"), ("王守仁", "鄒守益"), ("王守仁", "魏良弼"), ("王守仁", "歐陽德"), ("王守仁", "羅汝芳"), ("王守仁", "董復"), ("王守仁", "龔欽"), ("王守仁", "餘復"), ("王守仁", "章梓"), ("聶豹", "王宗沐"), ("羅汝芳", "羅汝芳（近溪）"), # 北宋文學系譜 ("王安石", "韓愈"), ("韓愈", "柳宗元"), ("歐陽修", "蘇軾"), # 其他影響 ("陸深", "王守仁"), # 其他標示但難連結直接上下線的人（孤立節點會標在圖上） ("危素", "未知影響"), ("徐溥", "未知影響"), ("李栻", "未知影響"), ("李茂元", "未知影響"), ("程毓賢", "未知影響"), ("匡氏宗室（未詳）", "未知影響"), ("樂欽（推測）", "未知影響"), ("王某（未明）", "未知影響") ] # 使用正確字型路徑 font\_path = "/usr/share/fonts/opentype/noto/NotoSansCJK-Regular.ttc" font\_prop = fm.FontProperties(fname=font\_path) # 重建圖形 G\_expanded = nx.DiGraph() G\_expanded.add\_edges\_from(expanded\_edges) # 繪製新的更完整的關係圖 plt.figure(figsize=(22, 16)) pos = nx.spring\_layout(G\_expanded, seed=42) nx.draw(G\_expanded, pos, with\_labels=False, node\_size=2000, node\_color="lightyellow", edge\_color="gray", font\_size=9, arrowsize=20) # 自己畫中文字label for node, (x, y) in pos.items(): plt.text(x, y, s=node, fontsize=10, fontproperties=font\_prop, horizontalalignment='center', verticalalignment='center') plt.title("明代及前期思想系統人物關係網（擴充版 SNA）", fontproperties=font\_prop, fontsize=16) plt.axis('off') plt.show()

while please modify below so that it outputs correctly

# 設計一個關係頻率（程度）系統 # 數值越大，代表關係越密切，線條會越粗 weighted\_edges = [ ("孔丘", "曾參", 5), ("曾參", "顏回", 4), ("孔丘", "陸九淵", 3), ("孔丘", "朱熹", 3), ("朱熹", "程敏政", 4), ("陸九淵", "楊簡", 4), ("陸九淵", "王守仁", 3), ("楊簡", "王守仁", 2), ("王守仁", "王畿", 5), ("王守仁", "錢德洪", 5), ("王守仁", "聶豹", 4), ("王守仁", "鄒守益", 4), ("王守仁", "魏良弼", 3), ("王守仁", "歐陽德", 3), ("王守仁", "羅汝芳", 4), ("王守仁", "董復", 3), ("王守仁", "龔欽", 2), ("王守仁", "餘復", 2), ("王守仁", "章梓", 2), ("聶豹", "王宗沐", 2), ("羅汝芳", "羅汝芳（近溪）", 2), ("王安石", "韓愈", 3), ("韓愈", "柳宗元", 3), ("歐陽修", "蘇軾", 3), ("陸深", "王守仁", 2), # 其他孤立人物標示較弱連結 ("危素", "未知影響", 1), ("徐溥", "未知影響", 1), ("李栻", "未知影響", 1), ("李茂元", "未知影響", 1), ("程毓賢", "未知影響", 1), ("匡氏宗室（未詳）", "未知影響", 1), ("樂欽（推測）", "未知影響", 1), ("王某（未明）", "未知影響", 1) ] # 建立新的有權重的圖形 G\_weighted = nx.DiGraph() for u, v, w in weighted\_edges: G\_weighted.add\_edge(u, v, weight=w) # 取得邊權重作為線條粗細 edges = G\_weighted.edges(data=True) weights = [d['weight'] for (u, v, d) in edges] # 繪製圖形 plt.figure(figsize=(24, 18)) pos = nx.spring\_layout(G\_weighted, seed=42) nx.draw(G\_weighted, pos, with\_labels=True, node\_size=2000, node\_color="lightcyan", width=weights, edge\_color="gray", font\_size=9, arrowsize=20) plt.title("明代人物關係網（帶有關係強度的擴充版 SNA）", fontsize=24) plt.show()