動的分析レポート

LangGraph ワークフロー分析結果

データサイエンスチーム

2025 年 09 月 04 日

分析日時: 2025 年 09 月 04 日 TIME

Contents

1 データ概要

1.1 基本統計

- データ形状: 425 行 × 10 列
- 分析日時: 2025 年 09 月 04 日 19:10:44

2 LangGraph 分析結果

2.1 ワークフロー実行結果

- 完了ステップ:
- 生成ファイル数: 0
- 洞察数: 0

3 プロンプト駆動分析結果

3.1 分析概要

- 完了ステップ: $\text{load}_{d}ata, analyze_{d}ata_{o}verview, select_{f}unction, execute_{f}unction, display_{r}esults$
- 生成ファイル数: 0

3.2 選択された関数

- 関数名: $\text{analyze}_{b}y_{d}imensions$
- 信頼度: 0.95
- 推論: プロンプトは万博開催後の万博会場における居住者の平均滞在時間を分析することを求めています。$\text{analyze}_{b}y_{d}imensions \quad 'average_{d}aily_{v}isiting_{s}econds' \quad 'period'' \quad ''area'' \quad ''home_{a}rea'$

3.3 実行結果

- 成功: True
- 実行時間: 0.01 秒

4 分析洞察

- analyze_by_dimensions の実行結果: ComprehensiveAnalysisResult(target_metric='average_daily_visiting_seconds', group_by=['area', 'home_area', 'work_area', 'day_type', 'gender', 'age'], analysis_type='summary', results=[DimensionAnalysisResult(dimension='area', values=[' 万博会場'], statistics='count': 42, 'mean': 20664.834682761906, 'std': 20146.59971328076, 'min': 9392.98, 'max': 138308.2, 'median': 13651.053950000001, count=42, percentage=100.0, insights=["area ' 万博会場' represents 100.0DimensionAnalysisResult(dimension='home_area', values=[' エリア内'], statistics='count': 3, 'mean': 65437.86658666667, 'std': 63226.79973116051, 'min': 25121.45196, 'max': 138308.2, 'median': 32883.9478, count=3, percentage=7.142857142857142, insights=["home_area ' エリア内' represents 7.1data (minority)"]), DimensionAnalysisResult(dimension='home_area',

values=[' エリア外'], statistics='count': 39, 'mean': 17220.75530553846, 'std': 7556.052796291247, 'min': 9392.98, 'max': 36996.32907, 'median': 13391.77384, count=39, percentage=92.85714285714286, insights=["home_area ' エリア外' represents 92.9values=[' エリア内'], statistics='count': 18, 'mean': 28956.380410888887, 'std': 28668.251038094346, 'min': 9392.98, 'max': 138308.2, 'median': 24666.283525, count=18, percentage=42.857142857142854, insights=["work_area ' エリア内' represents 42.9DimensionAnalysisResult(dimension='work_area', values=[' エリア外'], statistics='count': 24, 'mean': 14446.175386666668, 'std': 4680.773202053041, 'min': 11765.44196, 'max': 32883.9478, 'median': 13113.174025, count=24, percentage=57.14285714285714, insights=["work_area ' エリア外' represents 57.1the data (majority)"]), DimensionAnalysisResult(dimension='day_type', values=[' 土日祝日'], statistics='count': 22, 'mean': 18118.558188, 'std': 8383.764168288724, 'min': 9392.98, 'max': 35771.53285, 'median': 13802.564255000001, count=22, percentage=52.38095238095239, insights=["day_type ' 土日祝日' represents 52.4DimensionAnalysisResult(dimension='day_type', values=[' 平日'], statistics='count': 20, 'mean': 23465.738827, 'std': 27971.534720553373, 'min': 11765.44196, 'max': 138308.2, 'median': 13342.854795, count=20, percentage=47.61904761904761, insights=["day_type ' 平日' represents 47.6data (significant)", "High variability in day_type ' 平日' (std > mean)"]), DimensionAnalysisResult(dimension='gender', values=[' 不明'], statistics='count': 7, 'mean': 38664.124422857145, 'std': 44550.463987409996, 'min': 12237.47898, 'max': 138308.2, 'median': 25121.45196, count=7, percentage=16.666666666666664, insights=["gender ' 不明' represents 16.7variability in gender ' 不明' (std > mean)"]), DimensionAnalysisResult(dimension='gender', values=[' 女性'], statistics='count': 17, 'mean': 17229.598202352943, 'std': 7142.714088826379, 'min': 11765.44196, 'max': 35103.80851, 'median': 13391.77384, count=17, percentage=40.476190476190474, insights=["gender ' 女性' represents 40.5data (significant)"]), DimensionAnalysisResult(dimension='gender', values=[' 男性'], statistics='count': 18, 'mean': 16909.500904222223, 'std': 8381.58613283371, 'min': 9392.98, 'max': 36996.32907, 'median': 13485.17684, count=18, percentage=42.857142857142854, insights=["gender ' 男性' represents 42.9data (significant)"]), DimensionAnalysisResult(dimension='age', values=['20'], statistics='count': 7, 'mean': 17457.073560857145, 'std': 7300.990904683108, 'min': 9859.714286, 'max': 29235.79219, 'median': 14416.86551, count=7, percentage=16.666666666666664, insights=["age '20' represents 16.7(minority)"]), DimensionAnalysisResult(dimension='age', values=['30'], statistics='count': 8, 'mean': 19124.07065375, 'std': 10692.342281681014, 'min': 11887.65, 'max': 36996.32907, 'median': 13594.336785, count=8, percentage=19.047619047619047, insights=["age '30' represents 19.0(minority)"]), DimensionAnalysisResult(dimension='age', values=['40'], statistics='count': 6, 'mean': 11813.229885, 'std': 1265.0713410923045, 'min': 9392.98, 'max': 12938.97187, 'median': 12117.851985000001, count=6, percentage=14.285714285714285, insights=["age '40' represents 14.3(minority)"]), DimensionAnalysisResult(dimension='age', values=['50'], statistics='count': 8, 'mean': 18697.05784125, 'std': 6092.0835833898855, 'min': 12723.30275, 'max': 26053.21692, 'median': 17633.885275, count=8, percentage=19.047619047619047, insights=["age '50' represents 19.0(minority)"]), DimensionAnalysisResult(dimension='age', values=['60'], statistics='count': 6, 'mean': 16937.710586666668, 'std': 8962.845872826665, 'min': 12273.19788, 'max': 35103.80851, 'median': 13153.125355, count=6, percentage=14.285714285714285, insights=["age '60' represents 14.3(minority)"]), DimensionAnalysisResult(dimension='age', values=[' 不明'], statistics='count': 7, 'mean': 38664.124422857145, 'std': 44550.463987409996,

'min': 12237.47898, 'max': 138308.2, 'median': 25121.45196, count=7,
percentage=16.666666666666664, insights=["age ' 不明' represents 16.7(minority)", "High variability in age ' 不明' (std > mean)"])],
summary_statistics='count': 42.0, 'mean': 20664.834682761906, 'std':
20146.599713280764, 'min': 9392.98, '2513651.053950000001, '75insights=[], recommendations=[])