**Metropolis IQ – TNE Project Prototype**

**MIQ Economic Scan Section Breakdown**

**Overview**

This document is intended to assist in development of an MIQ-TNE prototype of the Economic Scan Report.

**Breakdown and Anatomy of the Economic Scan Report**

This section addresses each section of the report, including datasets powering each visualization and associated prompts and inputs. When a dataset compares the target jurisdiction to the state and national data, the state data will be assigned an area id of ‘06’. National data will be assigned an area id of ‘000’.

Datasets that compare the target jurisdiction to its peers will have an additional column ‘area\_name’ that will easily identify the jurisdiction names.

**Section 1: Gross Regional Product**

The Gross Regional Product section produces one AI response and 1 visualization.

Gross regional product data is not available at the city level, so we will fall back to the county-level data here, however, we will provide the AI assistant with background information regarding the target jurisdiction.

**Datasets:**

San Diego:

For AI prompt: sec1\_San Diego\_grp\_data.csv

For visualization: sec1\_San Diego\_per\_capita\_grp\_data.csv

San Diego County:

For AI prompt: sec1\_San Diego County\_grp\_data.csv

For visualization: sec1\_San Diego County\_per\_capita\_grp\_data.csv

Source: Lightcast <MMM YYYY>

**Section 2: Jobs**

Unemployment

The Jobs: Unemployment section produces 1 AI response and 2 visualizations.

Unemployment data is not available at the city level, so we will fall back to the county-level data here, however, we will provide the AI assistant with background information regarding the target jurisdiction.

**Datasets:**

San Diego:

For AI prompt and visualization 1: sec2\_San Diego\_unemp\_data.csv

For visualization 2: sec2\_San Diego\_unemp\_peers\_data.csv

San Diego County:

For AI prompt and visualization 1: sec2\_San Diego County\_unemp\_data.csv

For visualization 2: sec2\_San Diego County\_unemp\_peers\_data.csv

Source: Lightcast <MMM YYYY>

Industry Job Postings

The Jobs: Industry Job Postings section produces 1 AI response and 1 visualization.

Job postings data is available at the city level.

**Datasets:**

San Diego:

For AI prompt and visualization: sec2\_San Diego\_job\_postings\_data.csv

San Diego County:

For AI prompt and visualization: sec2\_San Diego County\_job\_postings\_data.csv

Source: Lightcast <MMM YYYY>

**Section 3: Talent and Workforce**

Education

The Talent and Workforce: Education section produces 1 AI response and 1 visualization.

Educational attainment data is not available at the city level, so we will fall back to the county-level data here, however, we will provide the AI assistant with background information regarding the target jurisdiction.

**Datasets:**

San Diego:

For AI prompt and visualization: sec3\_San Diego\_edattain\_data.csv

San Diego County:

For AI prompt and visualization: sec3\_San Diego County\_edattain\_data.csv

Source: Lightcast <MMM YYYY>

Skills Gap

The Talent and Workforce: Skills Gap section produces 1 AI response and 1 visualization.

Skills gap data is not available at the city level, so we will fall back to the county-level data here, however, we will provide the AI assistant with background information regarding the target jurisdiction.

**Datasets:**

San Diego:

For AI prompt and visualization: sec3\_San Diego\_skills\_gap\_data.csv

San Diego County:

For AI prompt and visualization: sec3\_San Diego County\_skills\_gap\_data.csv

Source: Lightcast <MMM YYYY>

**Section 4: Capital**

The Capital section produces 1 AI response and 1 visualization.

Capital data is provided at the national level.

**Datasets:**

San Diego and San Diego County:

For AI prompt and visualization: sec4\_capital\_data.csv

Source: Federal Reserve System (US) <MMM YYYY>

**Section 5: Income and Housing**

Median Household Income

The Income and Housing: Median Household Income section produces 1 AI response and 2 visualizations.

Median household income data is available at the city level.

**Datasets:**

San Diego:

For AI prompt: All data

For visualization 1: sec5\_San Diego\_household\_inc\_data.csv

For visualization 2: sec5\_San Diego\_household\_inc\_peers\_data.csv

San Diego County:

For AI prompt: All data

For visualization 1: sec5\_San Diego County\_household\_inc\_data.csv

For visualization 2: sec5\_San Diego County\_household\_inc\_peers\_data.csv

Source: US Census Bureau ACS <MMM YYYY>

Median Home Price

The Income and Housing: Median Home Price section produces 1 AI response and 2 visualizations.

Median home price data is available at the city level.

**Datasets:**

San Diego:

For AI prompt: All data

For visualization 1: sec5\_San Diego\_home\_price\_data.csv

For visualization 2: sec5\_San Diego\_home\_price\_peers\_data.csv

San Diego County:

For AI prompt: All data

For visualization 1: sec5\_San Diego County\_home\_price\_data.csv

For visualization 2: sec5\_San Diego County\_home\_price\_peers\_data.csv

Source: US Census Bureau ACS <MMM YYYY>

Housing Starts

The Income and Housing: Housing Starts section produces 1 AI response and 2 visualizations.

Housing starts data is not available at the city level, so we will fall back to the county-level data here, however, we will provide the AI assistant with background information regarding the target jurisdiction.

**Datasets:**

San Diego:

For AI prompt: All data

For visualization 1: sec5\_San Diego\_housing\_starts\_data.csv

For visualization 2: sec5\_San Diego\_housing\_starts\_peers\_data.csv

San Diego County:

For AI prompt: All data

For visualization 1: sec5\_San Diego County\_housing\_starts\_data.csv

For visualization 2: sec5\_San Diego County\_housing\_starts\_peers\_data.csv

Source: US Census Bureau ACS <MMM YYYY>

**Section 6: Business Activity**

The Business Activity section produces 1 AI response and 2 visualizations.

Business activity (firms) data is not available at the city level, so we will fall back to the county-level data here, however, we will provide the AI assistant with background information regarding the target jurisdiction.

**Datasets:**

San Diego:

For AI prompt: sec6\_San Diego\_firms\_data.csv

For visualization 1: sec6\_San Diego\_firms\_yoy\_data.csv

For visualization 2: sec6\_San Diego\_firms\_percap\_data.csv

San Diego County:

For AI prompt: sec6\_San Diego County\_firms\_data.csv

For visualization 1: sec6\_San Diego County\_firms\_yoy\_data.csv

For visualization 2: sec6\_San Diego County\_firms\_percap\_data.csv

Source: US Census Bureau, 2022 Business Dynamics Statistics <MMM YYYY>

**Section 7: Industry Clusters**

The Industry Impact section produces 1 AI response and 1 visualization.

Industry clusters data is not available at the city level, so we will fall back to the county-level data here, however, we will provide the AI assistant with background information regarding the target jurisdiction.

San Diego:

For AI prompt and visualization: sec7\_San Diego\_pri\_sec\_data.csv

San Diego County:

For AI prompt and visualization: sec7\_San Diego County\_pri\_sec\_data.csv

Source: Lightcast <MMM YYYY>

**Section 8: Industry Impact**

Mean Earnings

The Industry Impact: Mean Earnings section produces 1 AI response and 1 visualization.

Mean earnings data is available at the city level.

San Diego:

For AI prompt and visualization: sec8\_San Diego\_mean\_earn\_data.csv

San Diego County:

For AI prompt and visualization: sec8\_San Diego County\_mean\_earn\_data.csv

Source: Lightcast <MMM YYYY>

Jobs

The Industry Impact: Jobs section produces 1 AI response and 1 visualization.

Mean earnings data is available at the city level.

San Diego:

For AI prompt and visualization: sec8\_San Diego\_jobs\_ind\_data.csv

San Diego County:

For AI prompt and visualization: sec8\_San Diego County\_jobs\_ind\_data.csv

Source: Lightcast <MMM YYYY>