

Data Description

Data Number (will be filled by the Commons Center)	DPPSCdbp_2025-02en
Title	Facility Cluster Data by Industry in Station Area/Town Block in Tokyo
Creator	鈴木 勉 (Professor, Institute of System and Information Engineering) 竹内 真雄 (Master's Program in Risk and Resilience Engineering) LUO LINYAN (Master's Program in Risk and Resilience Engineering)
Contact information	tsutomu@risk.tsukuba.ac.jp (Tsutomu Suzuki)
Summary (Subject and/or Methodology for generation)	<p>1. Facility Aggregation Data by Station Area and Industry Type</p> <ul style="list-style-type: none"> Content: Facility data for Tokyo is aggregated by station area and compiled by industry type. How to create: First, point data (POI) and polygon data for Amenity, Shop, and Hotel categories were extracted from OpenStreetMap. Next, buffers with radius r (m) (r ranging from 100m to 1500m in 100m increments) were generated from station points in the National Land Numerical Information railway time-series data. Then, for each r value, the number of facilities by industry within the station area was tallied. Industry classifications include both detailed OpenStreetMap categories and broader classifications created independently, providing a breakdown of facility counts by industry. Note that for stations with multiple lines, separate station points are used for each line. Since counts are calculated within a radius centered on each station point, facilities may be counted multiple times if stations are close together. <p>2. Facility Aggregation Data by Industry and Town/Block</p> <ul style="list-style-type: none"> Content: Facility data for Tokyo is aggregated by town block (chōme) without duplication, recording the number of facilities by industry. While Data 1 contains duplicate facilities, Data 2 is free of duplicates. How to create: Aggregate the facility data from Data 1 by small census areas (town blocks, subdivisions, etc.) and calculate the breakdown of facility counts by industry. However, polygon data is aggregated based on the town block where its center of gravity lies.
Update History (Versions, File names, Dates)	<p>First Edition (Created January 2, 2026)</p> <p>(1) Correspondence Table for Industry Subcategories and Major Categories</p> <ul style="list-style-type: none"> 施設業種大分類対応表.csv <p>(2) Aggregation by Station Area</p> <ul style="list-style-type: none"> 業種細分類別 GeoPackage: 駅圏内業種細分類別施設数.gpkg 業種細分類別 csv: 駅 100m 圏内業種細分類別施設数.csv, 駅 200m 圏内業種細分類別施設数.csv, ..., 駅 1500m 圏内業種細分類別施設数.csv 業種大分類別 GeoPackage: 駅圏内業種大分類別施設数.gpkg

	<ul style="list-style-type: none"> ・ 業種大分類別 csv: 駅 100m 圏内業種大分類別施設数.csv, 駅 200m 圏内業種大分類別施設数.csv, ..., 駅 1500m 圏内業種大分類別施設数.csv (3) Aggregation by Town Block ・ 業種細分類別 GeoPackage: 駅圏内業種細分類別施設数.gpkg ・ 業種細分類別 csv: 駅圏内業種細分類別施設数.csv ・ 業種大分類別 GeoPackage: 駅圏内業種大分類別施設数.gpkg 業種大分類別 csv: 駅圏内業種大分類別施設数.csv
Data formats	GeoPackage files, csv files
Data sizes	<p>(1) 9.12KB</p> <p>(2) 40.0MB</p> <p>(3) 31.3MB</p>
Things to be aware of when using the data (e.g., required metadata)	
Related reports and/or papers	
Other remarks	