



Glossary

The purpose of this document is to provide glossary of groups, indicators and percentile under Residential, Commercial and Transport Sectors.

Residential Sector

Definition of Groups

Principal Group	Sub-group	Definition
R1. Public Housing - Public Rental Flats		Housing Authority Rental Flat or Housing Society Rental Flat
R2. Private Housing	R21. Housing Society (HS) Subsidised Sale Flats	Housing Society Subsidised Sale Flat
	R22. Private Residential Flats	Private developed housing
	R23. Independent Houses	Simple stone structures, traditional village houses villas, bungalows, modern village houses
R3. Housing Authority (HA) Subsidised Sale Flats		HA Home Ownership Scheme (HOS) flat

Definition of Primary Indicators

Indicator	Definition and Assumption
Annual Energy Consumption	Annual Energy Consumption (KWh/Annum)

Definition of Secondary Indicators

Indicator Category	Indicator	Definition
Building and Environment	Building Age	Building age is defined as the year to date after the building was commissioned for occupancy as required by Building Ordinance.
	Saleable Floor Area	Saleable floor area in square meter of the living quarter.
	Member	Number of household members.
	Bed Rooms	Number of bed rooms.
	Total Rooms	Number of rooms that consume energy, including all types of rooms inside the living quarter.
	Education	Education level of household head.
	Monthly Household Income	Average monthly household income.
	Facing West	Whether the living room has west facing window.
	Roof Floor	To determine whether the surveyed household is located on the roof floor.
	Self-Owned or Rental	To determine self-owned or rental status would have effects on the overall consumption of the living quarter.
Housing Type	To determine whether type of housing would have effect on the overall consumption.	
Energy End- Use System	Hot Water Equipment	Similar to the Commercial Sector, Energy End-Use System in operation can be defined as: -Total Installed quantity for each type of End-Use in operation -Total Installed power for each type of End-Use in operation -Weighted installed power intensity for each type of End-Use in operation
	Air Conditioning Equipment	
	Refrigeration Equipment	
	Kitchen and Cooking Equipment	
	Laundry Equipment	
	Lighting Equipment	
	AV Equipment	
	Computing and Office Equipment	



Indicator Category	Indicator	Definition
	Miscellaneous Equipment	
Other Indicators	Electricity Only	The premises uses only electricity
	Ventilation Fan	Number of electric ventilation fans in operation
	Window-type AC	Number of window type air conditioners in operation
	Split-type AC	Number of split-type air-conditioners in operation
	Stove – Towngas	Number of stove using fueled by Towngas in operation
	Computer	Number of notebook and computer in operation

Definition of Percentile

Percentile	Definition
≤10th	Your energy performance is better than 90% of the premises under your subgroup. (i.e. you are at ≤ 10 th percentile of your subgroup)
11-20th	Your energy performance is better than 80% of the premises under your subgroup. (i.e. you are at 11-20th percentile of your subgroup)
21-30th	Your energy performance is better than 70% of the premises under your subgroup. (i.e. you are at 21-30th percentile of your subgroup)
31-40th	Your energy performance is better than 60% of the premises under your subgroup. (i.e. you are at 31-40th percentile of your subgroup)
41-50th	Your energy performance is better than 50% of the premises under your subgroup. (i.e. you are at 41-50th percentile of your subgroup)
51-60th	Your energy performance is better than 40% of the premises under your subgroup. (i.e. you are at 51-60th percentile of your subgroup)
61-70th	Your energy performance is better than 30% of the premises under your subgroup. (i.e. you are at 61-70th percentile of your subgroup)
71-80th	Your energy performance is better than 20% of the premises under your subgroup. (i.e. you are at 71-80th percentile of your subgroup)
81-90th	Your energy performance is better than 10% of the premises under your subgroup. (i.e. you are at 81-90th percentile of your subgroup)
>90th	Your energy performance is poorer than 90% of the premises under your subgroup. (i.e. you are at a percentile greater than 90th percentile of your subgroup)



Commercial Sector

Definition of Groups

Principal Group	Sub-group	Definition
C1. Private Office	C11. Grade A Office	Comprise premises situated in Grade A office buildings. Excluded are non-domestic floors in composite buildings. Grade A office buildings are modern with high quality finishes; flexible layout; large floor plates; spacious, well decorated lobbies and circulation areas; effective central air-conditioning; good lift services zoned for passengers and goods deliveries; professional management; parking facilities normally available.
	C12. Grade B Office	Comprise premises situated in Grade B office buildings. Excluded are non-domestic floors in composite buildings. Grade B office buildings are ordinary design with good quality finishes; flexible layout; average-sized floor plates; adequate lobbies; central or free-standing air-conditioning; adequate lift services, good management; parking facilities not essential.
	C13. Grade C Office	Comprise premises situated in Grade C office buildings. Excluded are non-domestic floors in composite buildings. Grade C office buildings are plain with basic finishes; less flexible layout; small floor plates; basic lobbies; generally without central air-conditioning; barely adequate or inadequate lift services; minimal to average management; no parking facilities.
	C14. Office in Industrial-Office Building	Office space in industrial-office building; Industrial-Office premises comprise premises designed or certified for industrial-office use.
	C15. Office in Flatted Factory Building	Office space in flatted factory building; Flatted Factories comprise premises designed for general manufacturing processes and uses (including off ices) directly related to such processes. Specialised factories and similar premises built by the Hong Kong Housing Authority are not included.
C2. Restaurant	C21. Chinese Restaurant	Guangdong, Beijing, Sichuan, Shanghai and other restaurants serving Chinese cuisines; and Hong Kong style tea cafés.
	C22. Non-Chinese Restaurant	Japanese, Korean, Thai, Vietnamese, and Western cuisine restaurants; coffee shops and other types of non-Chinese restaurants.
	C23. Fast Food Shops	Cafeterias, snack shops and other fast food shops
	C24. Bars	Bars and lounges serving snacks and drinks
	C25. Other Eating and Drinking Places	Herb tea shops, deserts, beverages serving places and other eating places
C3. Retail	C31. Food and Drinks Which Involve Cooking, Refrigeration and/ or Plumbing Services	Retail shops which involve food and drinks preparation, refrigeration and/or plumbing services such as baking of bread and pastry, cold drinks, ice-cream, snack preparation, fresh or frozen fishes/seafood/meat.
	C32. Fuel	Include filling stations; retail sale of firewood, charcoal, coke and similar fuels; retail sale of kerosene and L.P. gas.
	C33. Information, Communication, Electrical and Electronic Equipment	Retail sale of information and communication equipment, computers and peripheral units, and electrical appliances



Principal Group	Sub-group	Definition
	C34. Other Products	Retail sales of other products
C4. Accommodations	C41. Hotels	Those premises classified as hotels in accordance with Hong Kong Standard Industrial Classification (HSIC) v2.0 Code 5501. Outdoor gardening area and car-park area are excluded in the calculation of the gross floor area of the premises. Restaurants and other food and drinks serving places, retail shops which are rented out and operated under a separate business license should be excluded.
	C42. Guest Houses	Those premises classified as guest houses in accordance with HSIC v2.0 Code 5509. Outdoor gardening area and car-park area are excluded in the calculation of the gross floor area of the premises.
	C43. Home for the Aged	"Home for the Aged" shall include nursing home, caring and attention home, home for the aged, hostel for the elderly. The "Home" shall provide residence places; Hence day care centres are NOT included.
	C44. Residential Care	Those premises classified as residential care centres in accordance with HSIC v2.0 Code 8740 and 8790, covering residential care activities for persons with disabilities and other residential care activities (nursery, children's home, unmarried mothers' hostel, etc). Residence places shall be provided.
C5. Hospitals and Clinics	C51. Hospitals	Those premises classified as hospitals in accordance with HSIC v2.0 Code 8611, but not include 8612, covering government and private hospitals. Outdoor gardening area and car-park area excluded in the calculation of the gross floor area.
	C52. Government Clinics	Specialist Out-patient Clinics and General Out-patient Clinics managed by Hospital Authority.
	C53. Private Clinics, Medical Practitioner's Offices	Those premises classified as clinics in accordance with HSIC v2.0 8621, but not include 8692 and 861. Outdoor gardening area and car-park area are excluded in the calculation of the gross floor area.
	C54. Private Dental Clinics	Those premises classified as private dental clinics in accordance with HSIC v2.0 8623.
	C55. Chinese Medicine Practitioners	Clinics operated mainly by registered Chinese Medicine Practitioners. Those practicing at home or attached to medical product stores or other human health related organizations are excluded.
	C56. Medical and X-Ray Laboratories	Those premises classified as medical laboratories in accordance with HSIC v2.0 8691.
C6. Educational Services	C61. Universities / Colleges	The premises cover all buildings belong to universities/colleges including the library buildings, academic buildings, sport complexes and the quarter buildings of the universities. Outdoor area is excluded in the calculation of the gross floor area of the premises.
	C62. Adult Education / Tutorial / Vocational Schools	Those premises including private schools offering a variety of subjects including commercial classes. The premises cover all buildings including the library buildings, academic buildings, sport complexes and the quarter buildings. Outdoor area is excluded in the calculation of the gross floor area of the premise.
	C63. Secondary Schools	Those premises classified as secondary schools. The premises cover all buildings including the library buildings, academic



Principal Group	Sub-group	Definition
		buildings and sport complexes. Outdoor gardening, playground and car-park area are excluded in the calculation of the gross floor area of the premises.
	C64. Primary Schools	Those premises classified as primary schools. The premises cover all buildings including the library buildings, academic buildings and sport complexes. Outdoor gardening, playground and car-park area are excluded in the calculation of the gross floor area of the premises.
	C65. Kindergarten	Kindergartens shall include both "local" and "international" kindergartens and kindergarten-cum-child care centres.
	C66. Special Education School	A school that provides education for pupils through a special education curriculum and that has been approved by the Permanent Secretary for Education for such purpose.
C7. Warehouse	C71. Refrigerated Warehouse	Cold storage in accordance with HSIC v2.0 5211.
	C72. Non-Refrigerated Warehouse	General cargo warehouses, packing and crating services in accordance with HSIC v2.0 5212.
C8. Personal Services	C81. Tele-communications Network Operation and Other Tele-communications Activities	Telecommunications in accordance with HSIC v2.0 6110, 6191 and 6199. This group covers telecommunications network operation, internet access services, data centres and other telecommunications activities.
	C82. Real Estate Brokerage and Agency	Real estate brokerage and agency in accordance with HSIC v2.0 6821.
	C83. Veterinary, Pets and Animal Services	Veterinary in accordance with HSIC v2.0 7300, pets and animal beauty and other animal related services.
	C84. Laundry and Dry-cleaning Services	Laundry and Dry-cleaning Services in accordance with HSIC v2.0 9601.
	C85. Repairing of Electrical / Electronic Goods, Household Items	Repairing of computers and communications equipment, electrical appliances, audio and visual electronic products, furniture, and other personal and household goods, in accordance with HSIC v2.0 952 and 953.
	C86. Repairing of Motor Vehicles and Motorcycles	Repairing of Motor Vehicles and Motorcycles in accordance with HSIC v2.0 9510.
	C87. Beauty and Body Prettifying Services	Beauty and body prettifying treatment in accordance with HSIC v2.0 9602. This group covers hairdressing treatment, made-up, skin and facial care services, weight control and slimming services and other related services.
	C88. Travel Agency	Travel agency, reservation service and related activities, in accordance with HSIC v2.0 7910 and 7990.
	C89. Fitness Centre and Sports Activities	Sports activities in accordance with HSIC v2.0 9311, 9312 and 9319, covering gymnasium and fitness centres, tennis courts, football and athletics pitches, sports centres, skating centres, sports clubs and other sports activities.
	C810. Domestic Banking	Licensed banks, restricted licensed banks and deposit-taking companies, in accordance with HSIC v2.0 6412.
	C811. Photographic Activities (Studios)	Photography, photo printing and photo finishing services, in accordance with HSIC v2.0 7521 and 7522.



Principal Group	Sub-group	Definition
	C812. Motion Picture Projection Activities	Cinema management offices, cinema operation and movie theatre operation, in accordance with HSIC v2.0 5914.
	C813. Creative and Performing Art Activities (Studios)	Performing arts, creative artists, musicians and writers, and performing arts venue operation, in accordance with HSIC v2.0 9010, 9020 and 9030.
	C814. Pawnshops, Money Changers and Foreign Exchange Brokers	Pawnshops, money changers and foreign exchange brokers, in accordance with HSIC v2.0 649201 and 649901.
	C815. Courier Services	Pickup, sorting, transport and delivery (domestic or international) of mail and parcels, in accordance with HSIC v2.0 5321 and 5322.
	C816. Renting of Books, Dressing and Other Personal and Household Items	Renting of personal and household goods as well as renting of books, dressing, recreational and sports equipment and video tapes and discs, in accordance with HSIC v2.0 7721, 7722 and 7729. Activities generally include short-term rental of goods.
	C817. Internet, Game and Other Entertainment Centres	Amusement game centres, internet games centres, betting activities, night clubs and dance halls, karaoke, discotheques and other entertainment activities, in accordance with HSIC v2.0 9391, 9392, 9393, 9394, 9395 and 9399.
	C818. Design Services	Interior and furniture design, multi-media/visual and graphic design, fashion design services, industrial design, and other design activities, in accordance with HSIC v2.0 7511, 7512, 7513, 7514 and 7519.
	C9. Premises – Common Area	C91. Common Areas of Grade A Office Premises
C92. Common Areas of Grade B Office Premises		Common Areas of Grade B Office Premises; Grade B office buildings are ordinary design with good quality finishes; flexible layout; average-sized floor plates; adequate lobbies; central or free-standing air-conditioning; adequate lift services, good management; parking facilities not essential.
C93. Common Areas of Grade C Office Premises		Common Areas of Grade C Office Premises; Grade C office buildings are plain with basic finishes; less flexible layout; small floor plates; basic lobbies; generally without central air-conditioning; barely adequate or inadequate lift services; minimal to average management; no parking facilities.
C94. Common Areas of Industrial-Office Premises		Common Areas of Industrial-Office Premises; Industrial-Office premises comprise premises designed or certified for Industrial-Office use.
C95. Common Areas of Flatted Factory Premises		Common Areas of Flatted Factory Premises; Flatted Factories comprise premises designed for general manufacturing processes and uses (including off ices) directly related to such processes. Specialised factories and similar



Principal Group	Sub-group	Definition
		premises built by the Hong Kong Housing Authority are not included.
	C96. Common Areas of Commercial Complex/Shopping Arcades	Common Areas of Commercial Complex/Shopping Arcades; Commercial Complex/Shopping Arcades include retail premises and other premises designed or adapted for commercial use, with the exception of purpose-built offices. Car parking space is excluded.
	C97. Common Areas of Non-Public Housing	Common Areas of Non-Public Housing; Buildings designed or adapted for Non-Public Housing use, including private residential buildings and HS subsidised sale flats.
	C98. Common Areas of Public Housing	Common Areas of Public Housing; Buildings designed or adapted for Public Housing use, including public rental housing and HA subsidised sale flats.

Definition of Primary Indicators

Description	Definition
Annual Energy Consumption	Annual Energy Consumption (KWh/Annum)

Definition of Secondary Indicator

Indicator Category	Indicator	Definition
Building and Environment	Saleable Floor Area	Saleable floor area in square meter
	Building Age	Building age is defined as the year to date after the building was commissioned for occupancy as required by Building Ordinance.
	Weather	Degree-day temperature value is defined as the difference between daily mean temperature and a defined base temperature which is 18.3oC. Whenever the difference is positive, it represents the cooling degree-day and it would be used to correlate with the energy consumption for the air-conditioned premises.
	Operation Schedule	Hours of operation per annum For campus buildings and hospital complexes which may have different building operation schedules, the summation of weighted average of the operation hours of its building area to total building area will be adopted The average weekly operation hours (i.e. from Mon. – Sun) and public holiday operation hours of the concerned premises would be accounted for.
	Occupancy	Occupancy rate of guest rooms (for hotels and boarding houses), seats (for restaurants), beds (for hospitals), number of students and staffs (for education services), number of patients per annum (for hospitals and clinics).
	Occupants Behavior, Operation and Maintenance Factor	Subjective scoring of occupant's behavior, operation and maintenance factor based on the frequency of maintenance and check-up for lighting, central plant AC and packaged AC. The shorter the length is, the higher the score will be assigned to the premises.



Indicator Category	Indicator	Definition
	Central AC	Whether central air-conditioning equipment is available and its energy consumption is included in the energy bill of the survey subject.
	Temperature Set Point	Indoor temperature set point refers to the average indoor temperature set point for the surveyed premises.
	Operating Year	Year of operation in the current premises
	Block	Number of blocks
	Floor	Number of floors
	Building Type	Type of building: Special Purpose, Shopping Arcade, Office, Village House / Villas, Mixed: Commercial / Residential, Residential, Mixed: Commercial/Industrial and Others
	Facilities	Type of facilities in the building, such as clubhouse, swimming pool.
Energy End- Use System	Hot Water Equipment	Energy End-Use System in operation can be defined as: <ul style="list-style-type: none"> • Total Installed quantity for each type of End-Use in operation • Total Installed power for each type of End-Use in operation • Weighted installed power intensity for each type of End-Use in operation
	Air Conditioning Equipment	
	Refrigeration Equipment	
	Air Side Equipment	
	Kitchen and Cooking Equipment	
	Laundry Equipment	
	Lighting Equipment	
	Computing and Office Equipment	
	Pumping Drainage System	
	Vertical Transport Equipment	
	Motor/ Generator	
	Medical Equipment	
Miscellaneous Equipment		
Other Indicators	Ownership	Type of ownership: self-owned, rented, Government owned
	Hotel Rating	Applicable for hotels only Number of stars awarded to Hotel
	Rent-out Rate	The average rent out rate of guest rooms per annum
	No. of Wards	No. of wards in Hospitals or Clinics
	No. of Beds / Rooms / Seats / Classroom	No. of beds in Hospitals; No. of rooms of Hotels, Guest Houses, Homes for the Aged and Residential Care; no. of seats in Restaurant; no. of classroom for Secondary Schools
	Cold Storage Area	Area used for Cold Storage
	Computers	Number of computers in operation
	Person	Number of employees, guests, patients, students, etc.
	School Type	Type of School: Government school, Government aided school, School aided by non-profit-making organization, Private/ Direct subsidy scheme school



Indicator Category	Indicator	Definition
	Business Nature	Nature of business of the survey subject (1 - Trading, 2 - Business Services, 3 - Finance, 4 - IT, Publishing, Telecom, 5 - Engineering/Construction, 6 - Manufacturing, 7 - Logistics, 8 - Others)
	Street Front	Entrance facing street front
	Air Cooled Central AC	No. of Air Cooled Central Air-Conditioning Equipment in operation
	Water Cooled Central AC	No. of Water Cooled Central Air-Conditioning Equipment in operation
	Domestic AC	Number of window-type and split-type air-conditioners in operation
	Split-type AC	Number of split-type air-conditioners in operation
	Ventilation Fan	Number of electric and ventilation fans in operation
	Commercial Cooling Equipment	Number of commercial freezers / refrigerators in operation
	Domestic Cooling Equipment	Number of domestic freezers / refrigerators in operation



Definition of Percentile

Percentile	Definition
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21-30th	Your energy performance is better than 70% of the premises under your subgroup. (i.e. you are at 21-30th percentile of your subgroup)
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41-50th	Your energy performance is better than 50% of the premises under your subgroup. (i.e. you are at 41-50th percentile of your subgroup)
51-60th	Your energy performance is better than 40% of the premises under your subgroup. (i.e. you are at 51-60th percentile of your subgroup)
61-70th	Your energy performance is better than 30% of the premises under your subgroup. (i.e. you are at 61-70th percentile of your subgroup)
71-80th	Your energy performance is better than 20% of the premises under your subgroup. (i.e. you are at 71-80th percentile of your subgroup)
81-90th	Your energy performance is better than 10% of the premises under your subgroup. (i.e. you are at 81-90th percentile of your subgroup)
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Transport Sector

Definition of Groups

Principal Group	Sub-group	Definition
V1. Motorcycle (Petrol)		Petrol motorcycles
V2. Private Cars	V21. Private Cars (Diesel)	Diesel private cars
	V22. Engine Size \leq 1,000cc (Petrol)	Petrol private cars of engine size less than or equal to 1,000 c.c.
	V23. Engine Size 1,001 – 1,500cc (Petrol)	Petrol private cars of engine size in the range of 1,001 – 1,500 c.c.
	V24. Engine Size 1,501 – 2,500cc (Petrol)	Petrol private cars of engine size in the range of 1,501 – 2,500 c.c.
	V25. Engine Size 2,501 – 3,500cc (Petrol)	Petrol private cars of engine size in the range of 2,501 – 3,500 c.c.
	V26. Engine Size 3,501 – 4,500cc (Petrol)	Petrol private cars of engine size in the range of 3,501 – 4,500 c.c.
	V27. Engine Size $>$ 4,500cc (Petrol)	Petrol private cars of engine size greater than 4,500 c.c.
	V28. Electric Vehicles	Private cars powered by electricity
	V29. Hybrid Vehicles	Private cars uses by two or more distinct types of power
V3. Private Buses (Diesel)	V31. Private Buses (Single Deck) Non-franchised	Diesel single deck private buses, non-franchised
	V32. Private Buses (Double Deck) Non-franchised	Diesel double deck private buses, non-franchised
V4. Public Buses (Diesel)	V41. Public Buses (Single Deck) Non-franchised	Diesel single deck public buses, non-franchised
	V42. Public Buses (Double Deck) Non-franchised	Diesel double deck public buses, non-franchised
V5. Private Light Buses	V51. Private Light Buses (Diesel)	Diesel private light bus has a carrying capacity (including driver) not exceeding 17 seats
	V52. Private Light Buses (LPG)	LPG private light bus has a carrying capacity (including driver) not exceeding 17 seats
V6. Public Light Buses	V61. Public Light Buses (Diesel)	Diesel public light bus has a carrying capacity (including driver) of 17 seats. It includes red minibus and minibus
	V62. Public Light Buses (LPG)	LPG public light bus has a carrying capacity (including driver) of 17 seats. It includes red minibus and green minibus
V7. Taxis (LPG)	V71. Taxi (Urban)	LPG Taxi in Urban Area
	V72. Taxi (NT)	LPG Taxi in New Territories
	V73. Taxi (Lantau Island)	LPG Taxi in Lantau Island
V8. Light Goods Vehicles (Petrol)	V81. Gross Vehicle Weight \leq 1.90 Tonnes	Petrol light goods vehicles of gross vehicle weight less than or equal to 1.90 Tonnes
	V82. Gross Vehicle Weight $>$ 1.90 Tonnes	Petrol light goods vehicles of gross vehicle weight greater than 1.90 Tonnes
V9. Light Goods Vehicles (Diesel)	V91. Gross Vehicle Weight \leq 2.50 Tonnes	Diesel light goods vehicles of gross vehicle weight less than or equal to 2.50 Tonnes
	V92. Gross Vehicle Weight 2.51 – 4.00 Tonnes	Diesel light goods vehicles of gross vehicle weight in the range of 2.51 – 4.00 Tonnes
	V93. Gross Vehicle Weight 4.01 – 5.50 Tonnes	Diesel light goods vehicles of gross vehicle weight in the range of 4.01 – 5.50 Tonnes
V10. Medium Goods Vehicles (Diesel)	V101. Tractors (5.51 – 24 Tonnes)	Diesel tractor type medium goods vehicles of gross vehicle weight in the range of 5.51 – 24 Tonnes
	V101. Non-tractors (5.51 – 10 Tonnes)	Diesel non-tractor type medium goods vehicles of gross vehicle weight in the range of 5.51 – 10 Tonnes
	V102. Non-tractors (10.01 – 15.00 Tonnes)	Diesel non-tractor type medium goods vehicles of gross vehicle weight in the range of 10.01 – 15.00 Tonnes
	V103. Non-tractors (15.01 – 20.00 Tonnes)	Diesel non-tractor type medium goods vehicles of gross vehicle weight in the range of 15.01 – 20.00 Tonnes
	V104. Non-tractors (20.01 – 24.00 Tonnes)	Diesel non-tractor type medium goods vehicles of gross vehicle weight in the range of 20.01 – 24 Tonnes



Principal Group	Sub-group	Definition
V11. Heavy Goods Vehicles (Diesel) 24.01-38.00 tonnes		Diesel Heavy Goods Vehicles of gross vehicle weight in the range of 24.01 - 38.00 Tonnes

Definition of Primary Indicators

Indicator	Definition
Litre/100 km or KWh/100 km	Average fuel consumed to undertake a number of journeys of a total distance measured by kms (fuel consumption / distance travelled)

Definition of Secondary Indicators

Indicator	Definition
Engine Size	Engine sizes in cc
Gross Vehicle Weight	Gross vehicle weight in tonnes
Maximum Number of Passengers	Maximum capacity of the vehicle in terms of number of passengers (number of passengers including the driver)
Average Vehicle Loading	Average vehicle loading weight in tonnes
Average Number of Passengers	Average number of passengers (number of passengers including the driver)
Average Monthly Temperature	Average monthly temperature between two tank fillings. Temperature information is obtained from the Hong Kong Observatory.
Vehicle Age	Number of year (year of benchmark leaves year manufactured)
Arrangement of Cylinders	Engine design - arrangement of cylinders: Three indicator variables for the four arrangements, vertical, V-shape, W-shape and horizontally opposed
Number of Cylinder	Engine design - number of cylinders: ranged from 1 to 16 cylinders
Transmission	Two indicator variables for the three transmission types, manual, automatic or semi-automatic
Average Travelling Distance	Average travelling distance per month
Number of days per month that vehicle in use	Average number of days per month that the vehicle is in use
Travelling Proportion in Hong Kong Island	Travelling proportion (%) of the vehicle in Hong Kong Island during the past 12 months
Travelling Proportion in Kowloon	Travelling proportion (%) of the vehicle in Kowloon during the past 12 months
Travelling Proportion in New Territories	Travelling proportion (%) of the vehicle in New Territories during the past 12 months
Travelling Proportion in Mainland China	Travelling proportion (%) of the vehicle in Mainland during the past 12 months
Hong Kong Refuel	Proportion (%) of fuel refilled in Hong Kong
Regular Check-up	Whether the vehicle is subject to regular checkup.
Air Conditioning	Whether the vehicle has an air conditioning unit.
Travelling Proportion on Highway	Travelling proportion (%) of the vehicle on highway
Ownership	Whether the vehicle is owned by a company or privately owned.



Definition of Percentile

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