

Turnstile and Weather Variables

UNIT Remote unit that collects turnstile information. Can collect from multiple banks of turnstiles.

Large subway stations can have more than one unit.

DATEn Date in "yyyy-mm-dd" (2011-05-21) format.

TIMEn Time in "hh:mm:ss" (08:05:02) format.

ENTRIESn Raw reading of cummulative turnstile entries from the remote unit. Occasionally resets to 0.

EXITSn Raw reading of cummulative turnstile exits from the remote unit. Occasionally resets to 0.

ENTRIESn_hourly Difference in ENTRIES from the previous REGULAR reading.

EXITSn_hourly Difference in EXITS from the previous REGULAR reading.

datetime Date and time in "yyyy-mm-dd hh:mm:ss" format (2011-05-01 00:00:00). Can be parsed into a

Pandas datetime object without modifications.

hour Hour of the timestamp from TIMEn. Truncated rather than rounded.

day_week Integer (0 - 6 Mon - Sun) corresponding to the day of the week.

weekday Indicator (0 or 1) if the date is a weekday (Mon - Fri).

station Subway station corresponding to the remote unit.

latitude Latitude of the subway station corresponding to the remote unit.

longitude Longitude of the subway station corresponding to the remote unit.

conds Categorical variable of the weather conditions (Clear, Cloudy etc.) for the time and location.

fog Indicator (0 or 1) if there was fog at the time and location.

precipi Precipitation in inches at the time and location.

pressurei Barometric pressure in inches Hg at the time and location.

rain Indicator (0 or 1) if rain occurred within the calendar day at the location.

tempi Temperature in °F at the time and location.

wspdi Wind speed in mph at the time and location.

meanprecipi Daily average of precipi for the location.

meanpressurei Daily average of pressurei for the location.

meantempi Daily average of tempi for the location.

meanwspdi Daily average of wspdi for the location.

weather_lat Latitude of the weather station the weather data is from.

weather_lon Longitude of the weather station the weather data is from.

Additional Information

MTA (turnstile variables)
Wunderground (weather variables)