# **Parameters**

* **Weather** **condition** (categorical: sunny, cloudy, rainy).
* **Temperature** (numeric).
* **Date** (format: month/day/year). Has three dependent parameters:
  + **Holiday**
  + **Day of Week** (Categorical: Mon, Tue, …Sun)
  + **Traffic** (Categorical: weekBefore, dayBefore, dayOf): Either 15%, 40%, or 20% more.

Time related parameters and relations (in sequential order)

* **Parking time** (minutes): time spent looking for parking.
  + Exception: May be 0 if open parking is available.
* **Arrival time** (format: h:m:s).The specific time when the shopper arrives at the store and begins waiting to enter the store.
* **Waiting time** (minutes). Defined as (entry time - arrival time).
  + Exception: May be 0 when there is no waiting line.
* **Entry time** (format: h:m:s). The specific time when the shopper enters the store.
* **Shopping time** (minutes). This is associated with entry time and leave time.
  + **Food court** (dichotomous: yes/no). Did the shopper go to the food court to grab the food?
  + **Lunch Rush Hour** (dichotomous: yes/no): Is this during the lunch rush?
  + **Dinner Rush Hour** (dichotomous: yes/no): Is this during the dinner rush?
  + (Possible) store section that the shopper spent the most time shopping at?
* **Checkout start time** (h:m:s). Specific time when the shopper initiates checkout.
* **Checkout time** (minutes). Total time spent in checkout (includes wait time).
* **Checkout type** (categorical: Regular, **Express**, Self)
* **Leave time** (format: h:m:s). The time shopper leaves the store.
* **Total time**: time spent inside the store (entry time -> leave time)