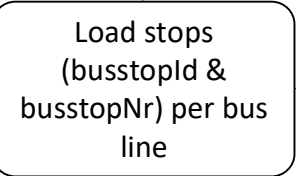
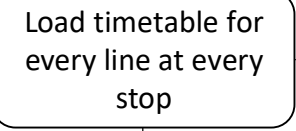




Start



This makes sure that we have a dataframe, where using a busline will return a list of stops

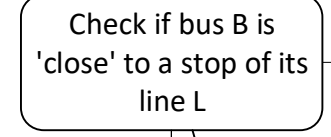
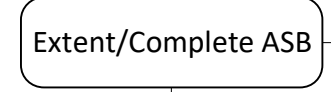
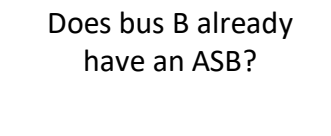
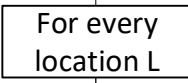
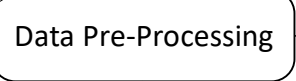
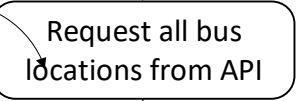


A dataframe where, given a busline and busstopId and busstopNr, we have the timetable available

Location handling

Bus stop estimation

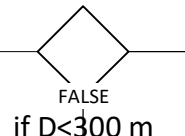
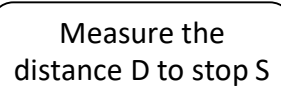
Arrival time estimation



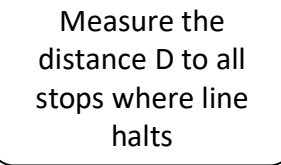
in case via TRUE, this should not be done for the stop for which an ASB exists already. Doing this, if via true is also redundant maybe as 2 bus stops will probably be more than 300m apart.

Discard bus locations older than 2 mins

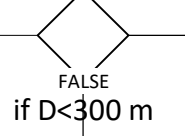
Discard bus locations with missing variables (line, lat, lon)



Add location L to ASB

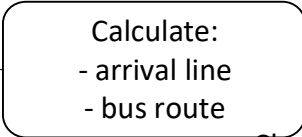


This makes use of the table created at the begin of the day



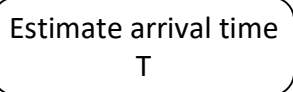
Create new ASB for stop S

Discard this location record of Bus B

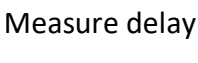


Check if the bus actually passed the busstop\*

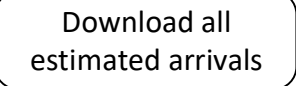
Discard ASB



Find related scheduled arrival



Store estimated arrival event in database



Clear all temporary data

Should be elaborated on

ASB:  
- lat/lon of Stop S  
- lat/lon of all locations L of a bus B within the range  
- all details of stop S  
- all details of bus B