TransitAnalyst flows

Release 1.0

March 2019

Nachman Shelef

+972 544566016

nachman.shelef@gmail.com

Processing flows for Rev 1.0 products

	Setup processi ng doc	Setup product ion doc	Process flow script	config file init	Service date	Python processing	TTM graph processing	Web client hosted on	TTM server on
Monthly auto update on AWS EC2 and S3	aws	aws	auto_aws	auto_aws	auto	AWS EC2	AWS EC2	AWS S3	AWS EC2
Monthly auto update on local pc	local	local	auto_local	auto_local	auto	Local PC	Local PC	Local PC	Local PC
On demand date on AWS EC2 and S3	aws	aws	demand_aws	demand_aws	On demand	AWS EC2	AWS EC2	AWS S3	AWS EC2
On demand date on S3 only (no TTM)	local	aws_s3	demand_local	demand_local_nottm_awshost	On demand	Local PC	none	AWS S3	none
On demand date on local pc	local	local	demand_local	demand_local	On demand	Local PC	Local PC	Local PC	Local PC
On demand date on local pc no TTM	local	local	demand_local	demand_local_nottm_localhost	On demand	Local PC	none	Local PC	none

products

- Monthly auto update on AWS EC2 and S3
- Monthly auto update on local pc
- On demand date on AWS EC2 and S3
- On demand date on S3 only (no TTM)
- On demand date on local pc
- On demand date on local pc no TTM

Monthly auto update on AWS EC2 and S3

Monthly auto update on local pc

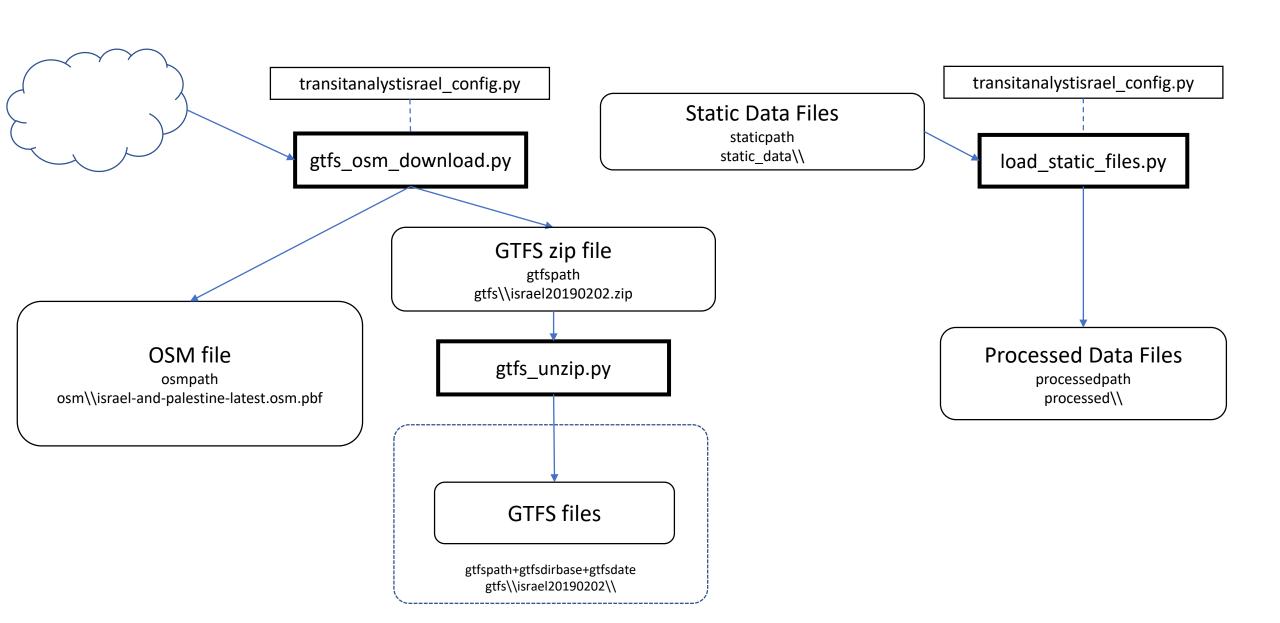
On demand date on AWS EC2 and S3

On demand date on S3 only (no TTM)

On demand date on local pc

On demand date on local pc no TTM

Monthly auto update on local pc



On demand date on AWS EC2 and S3
On demand date on S3 only (no TTM)
On demand date on local pc
On demand date on local pc no TTM

transitanalystisrael_config.py Static Data Files staticpath static_data\\ load_static_files.py GTFS zip file gtfspath gtfs\\israel20190202.zip Processed Data Files gtfs_unzip.py processedpath processed\\

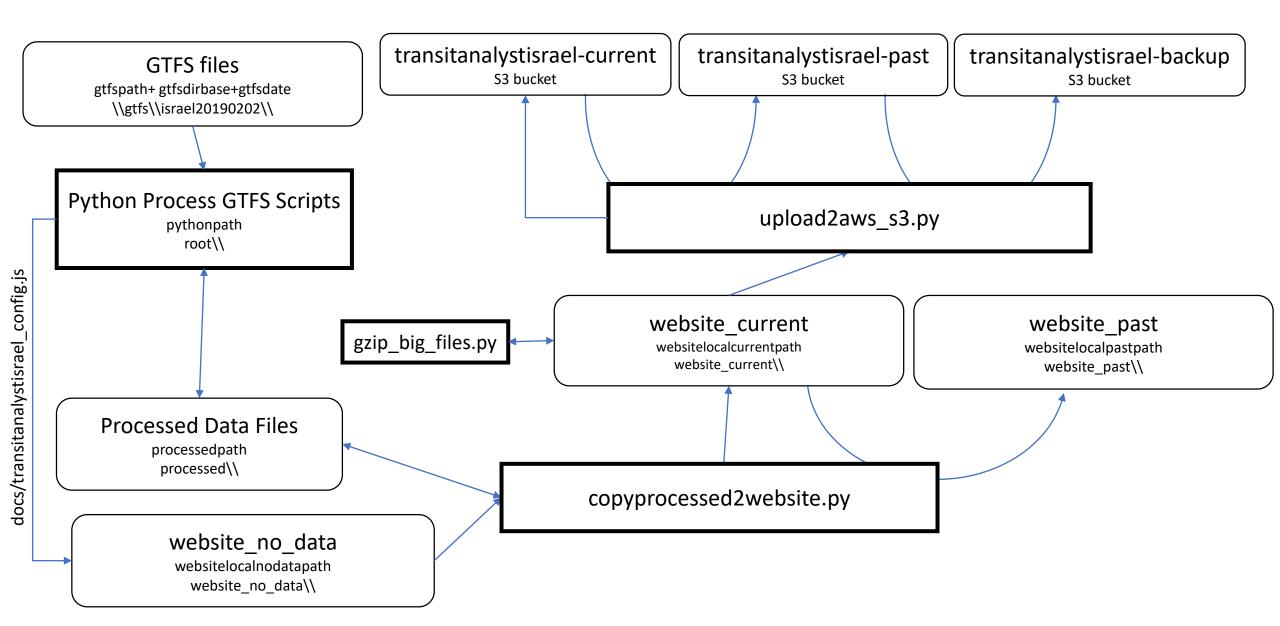
GTFS files

gtfspath+gtfsdirbase+gtfsdate gtfs\\israel20190202\\

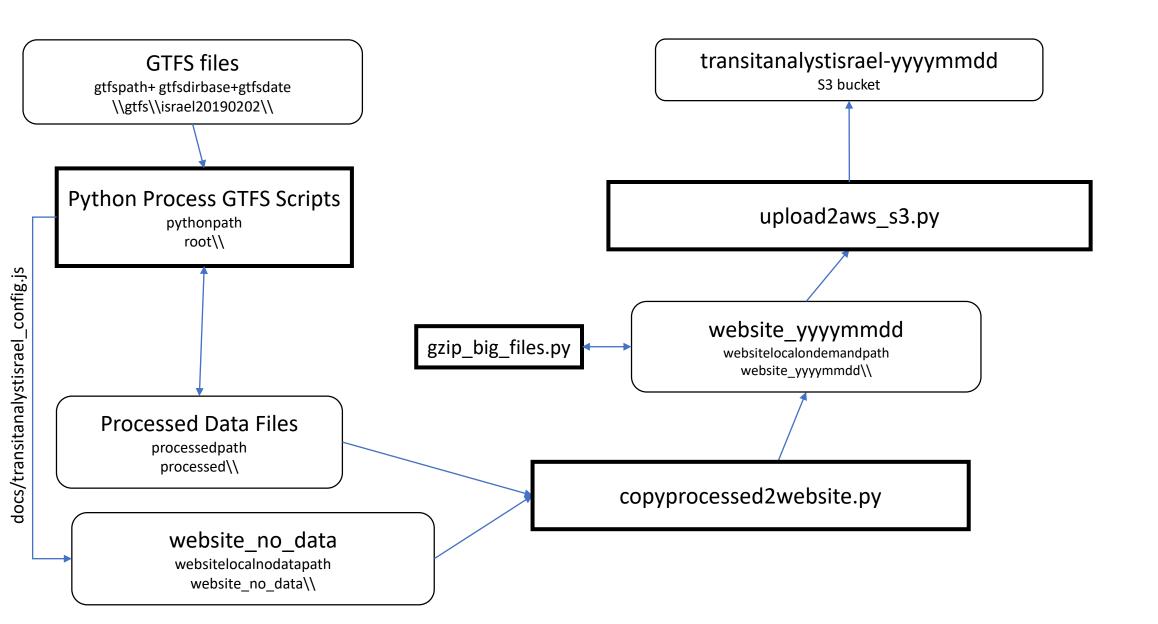
OSM file

osmpath osm\israel-and-palestine-latest.osm.pbf

Flow between directories



Flow between directories

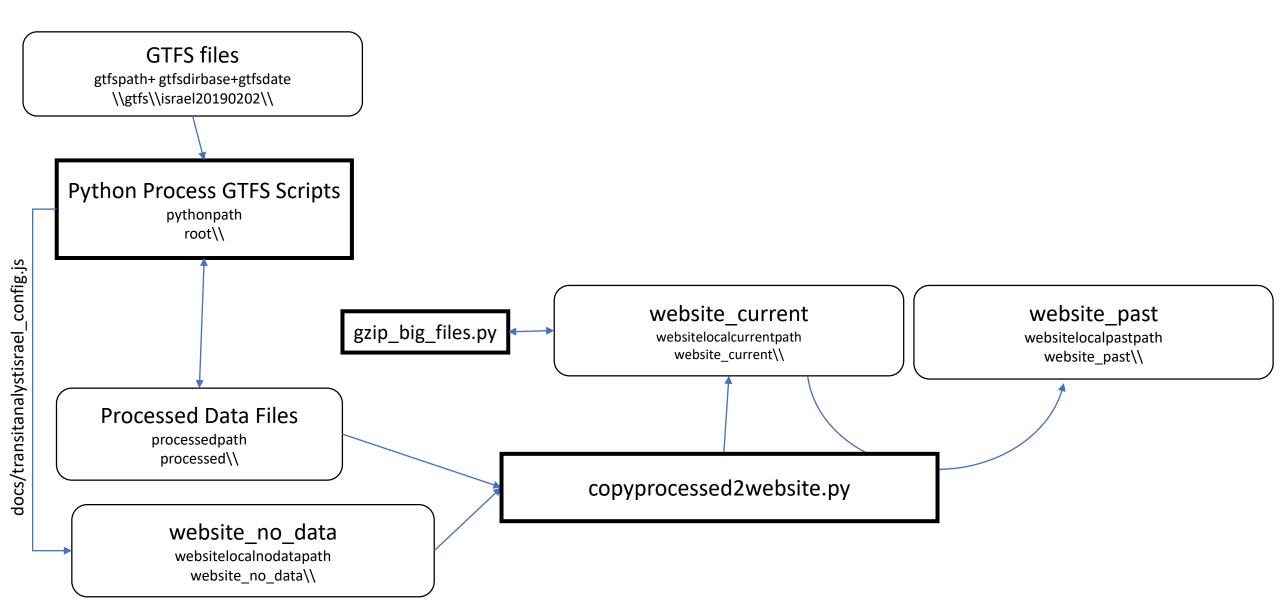


Flow between directories

Monthly auto update on local pc

On demand date on local pc

On demand date on local pc no TTM



all Python Scripts in transitanalystisrael_v1.py

transitanalystisrael_config.py

```
gtfs osm download.py
gtfs_unzip.py
load static files.py
gtfs preprocessing.py
transitscore_israel.py
muni scores.py
high_freq_lines_israel.py
lines_on_street.py
tpd_at_stops_israel.py
stops_in_muni_pre_edit.py
stops_in_muni_pre2post_edit
tpd_in_muni_per_line.py
stops near trainstops pre edit.py
trainstopautoeditpre2post v1
tpd_near_trainstops_per_line.py
config_py2js
copyprocessed2website.py
gzip_big_files.py
upload2aws s3.py
navitia_update.py
```

"Static Files" Initial State of Processed Data Dir

rgb_color.txt

israel_city_boarders.geojson israel_town_boarders.geojson

auto_dates_to_process.json

muni_names.txt

muni_pop2016_built-area2013.csv

stopsneartrainstop_pre_edit_20181021.txt

stopsneartrainstop_post_edit_20181021.txt

website_no_data

```
<DIR> css
```

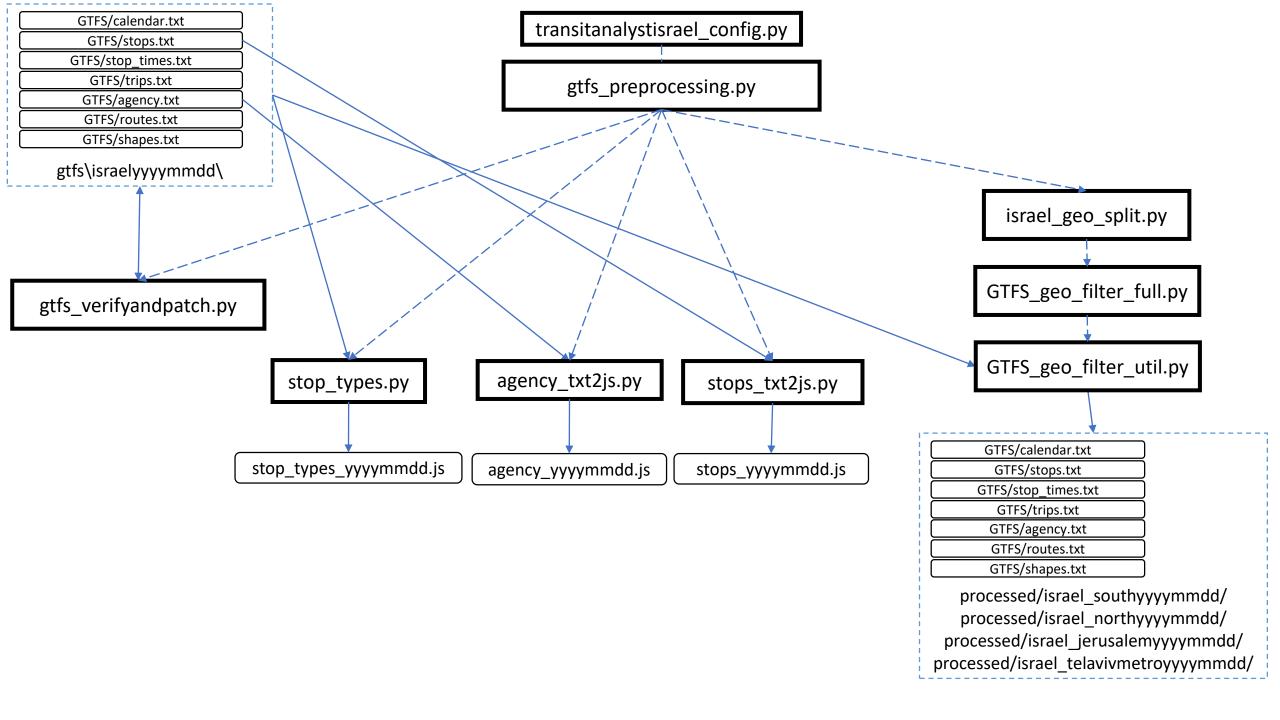
- <DIR> dist
- <DIR> docs
- <DIR> lines_on_street
- <DIR> line_freq
- <DIR> muni_fairsharescore
- <DIR> muni_score_lists_and_charts
- <DIR> muni_tpd_per_line
- <DIR> muni transitscore
- <DIR> stops_near_trainstops_editor
- <DIR> tpd_at_stops_per_line
- <DIR> tpd_near_trainstops_per_line
- <DIR> transitscore
- <DIR> transit_time_map
- index.html
- indexe.html
- indexh.html

Process GTFS Python Scripts in transitanalystisrael_v1.py

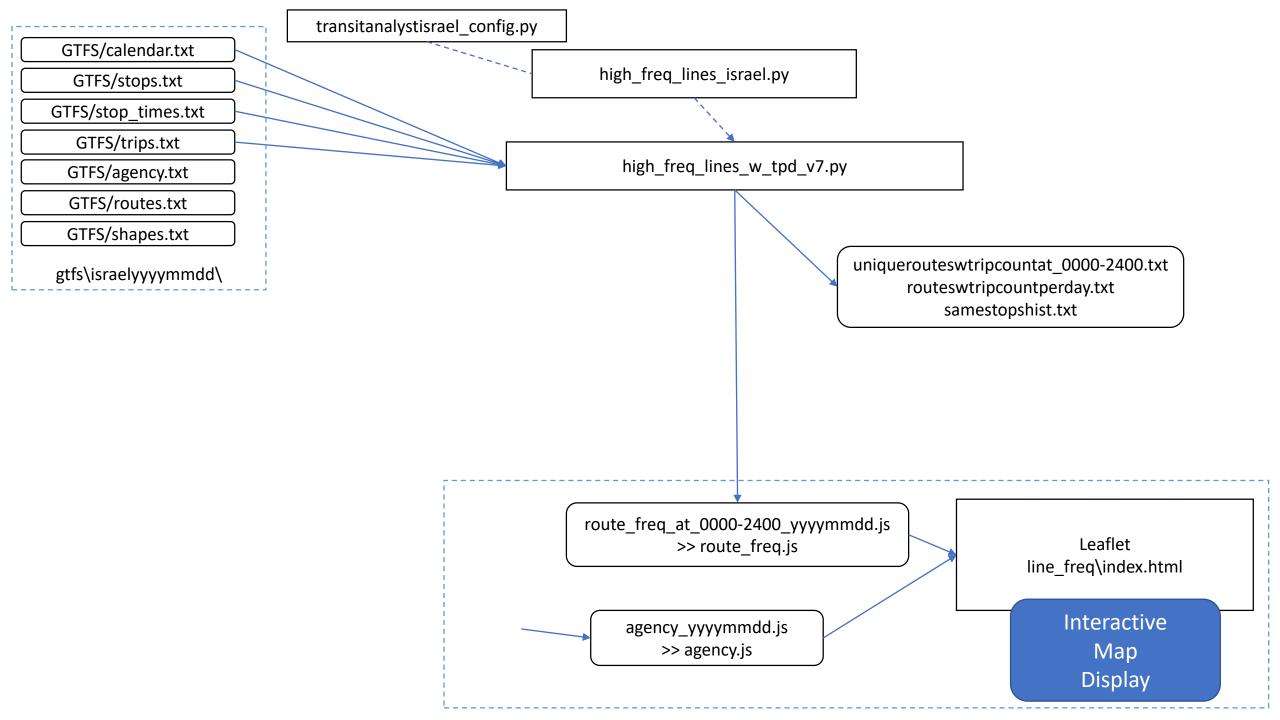
config.py transitanalystisrael

```
gtfs_preprocessing.py
transitscore_israel.py
muni_scores.py
high_freq_lines_israel.py
lines_on_street.py
tpd_at_stops_israel.py
stops_in_muni_pre_edit.py
stops_in_muni_pre2post_edit
tpd_in_muni_per_line.py
stops_near_trainstops_pre_edit.py
trainstopautoeditpre2post_v1
tpd_near_trainstops_per_line.py
```

gtfs_preprocessing



line_freq



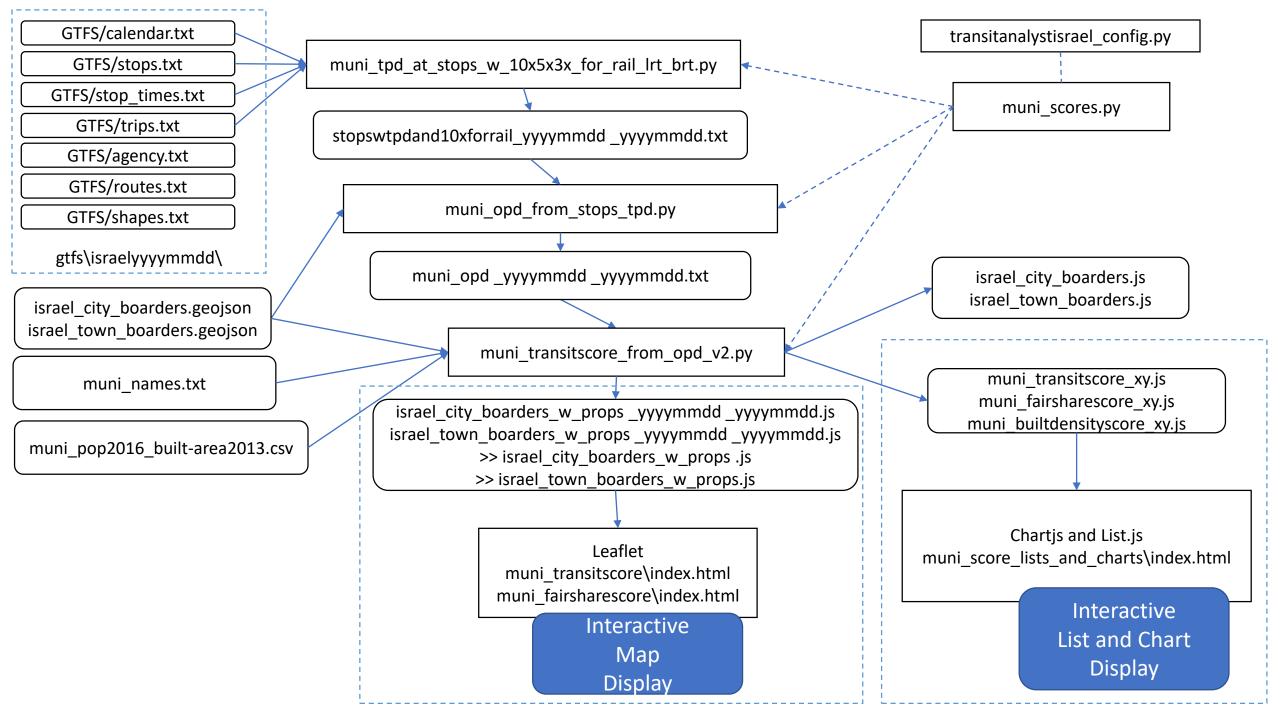
lines_on_street

GTFS/calendar.txt transitanalystisrael config.py lines on street.py GTFS/stops.txt GTFS/stop times.txt GTFS/trips.txt high freq lines w tpd v7.py GTFS/agency.txt GTFS/routes.txt GTFS/shapes.txt uniquerouteswtripcountat 0000-2400.txt processed/israel southyyyymmdd/ routeswtripcountperday.txt processed/israel northyyyymmdd/ samestopshist.txt processed/israel_jerusalemyyyymmdd/ processed/israel telavivmetroyyyymmdd/ route_freq_at_0000-2400_yyyymmddtelavivmetro.js route freq at 0000-2400 yyyymmddjerusalem.js route_freq_at_0000-2400_yyyymmddnorth.js route freq at 0000-2400 yyyymmddsouth.js >> route freq telavivmetro.js >> route_freq_jerusalem.js >> route freq north.js >> route_freq_south.js Leaflet agency yyyymmdd.js lines on street\index.html >> agency.js lines_on_street\route_freq_v3telavivmetro.html lines_on_street\route_freq_v3jerusalem.html lines on street\route freq v3north.html israel_regions.js lines on street\route freq v3south.html Interactive Map Display

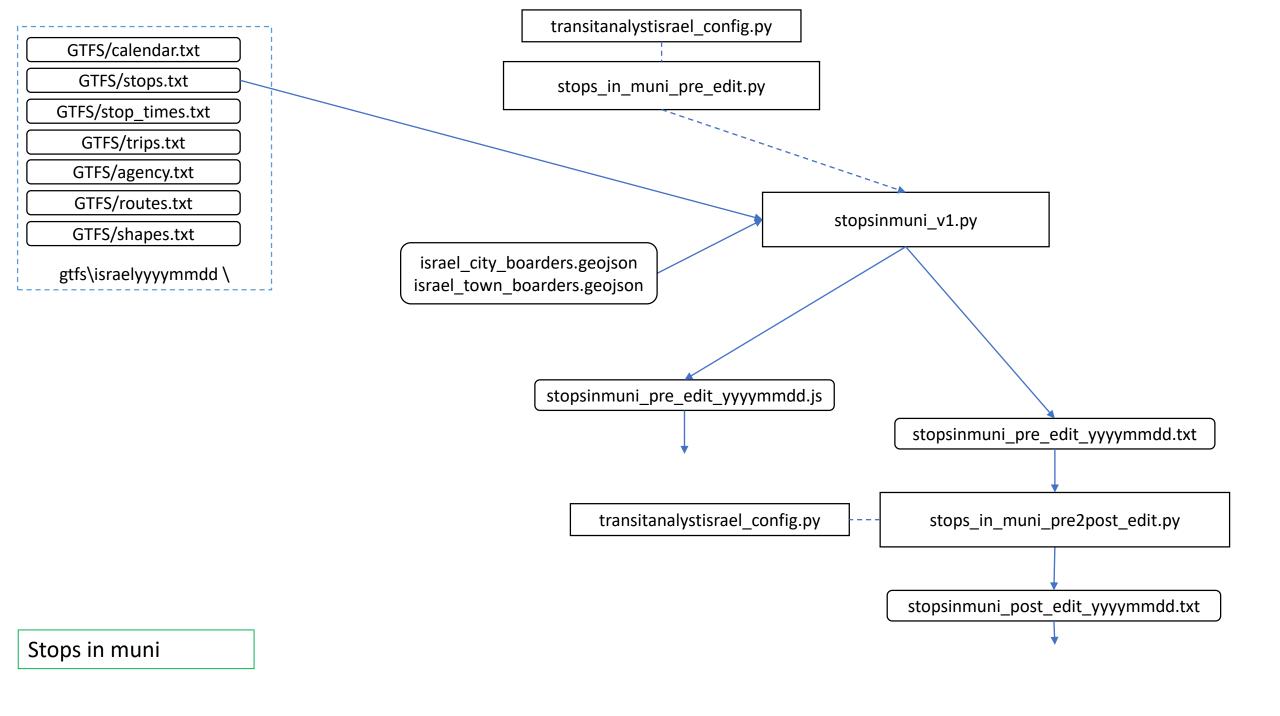
muni_transitscore

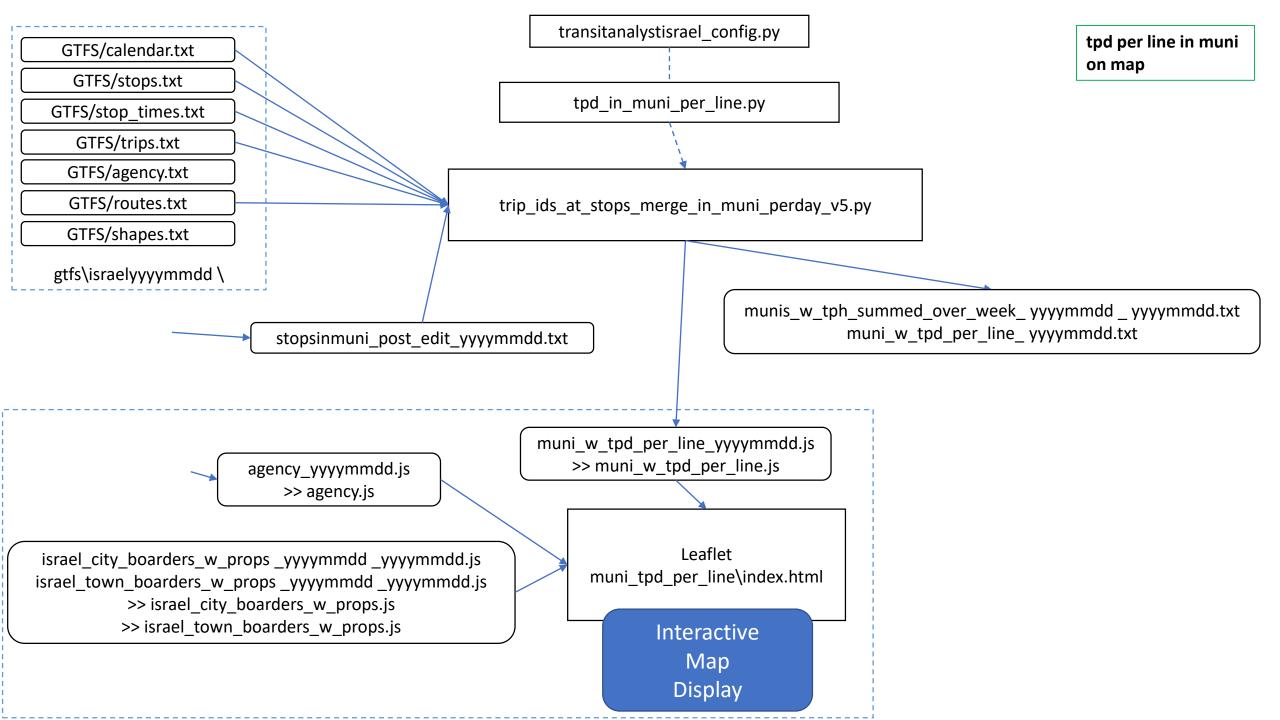
muni_fairsharescore

muni_score_lists_and_charts

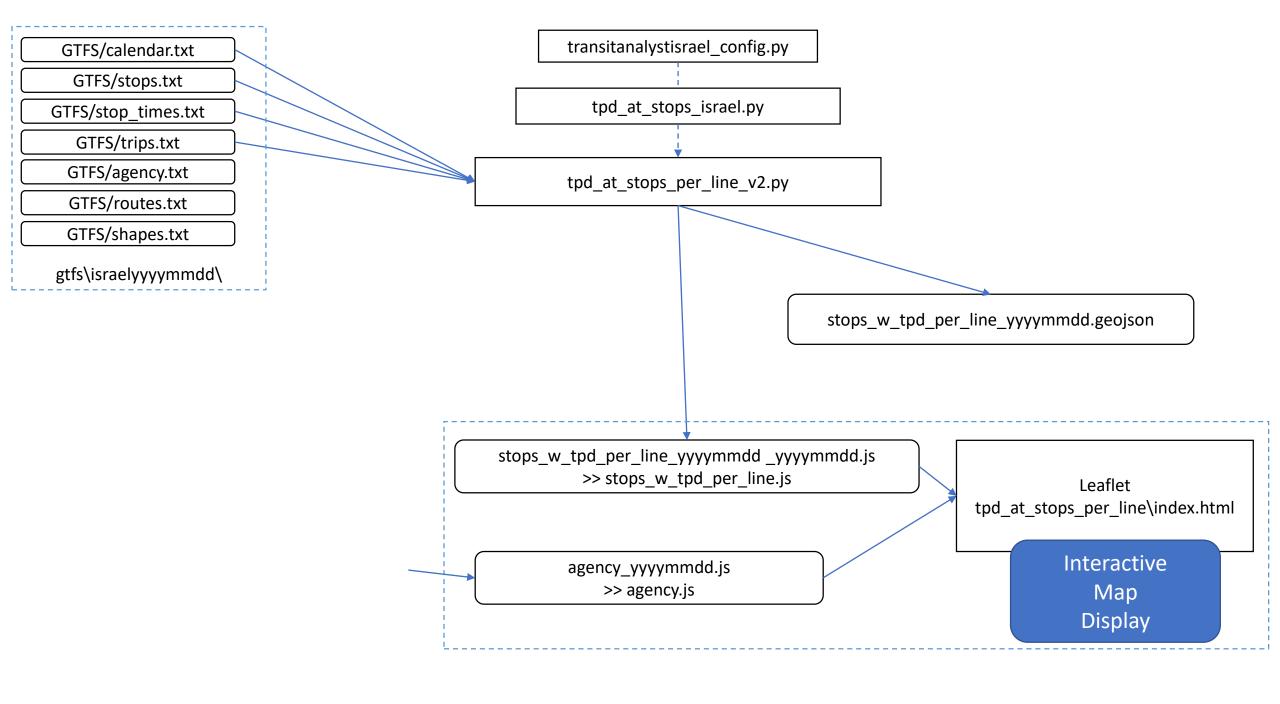


muni_tpd_per_line

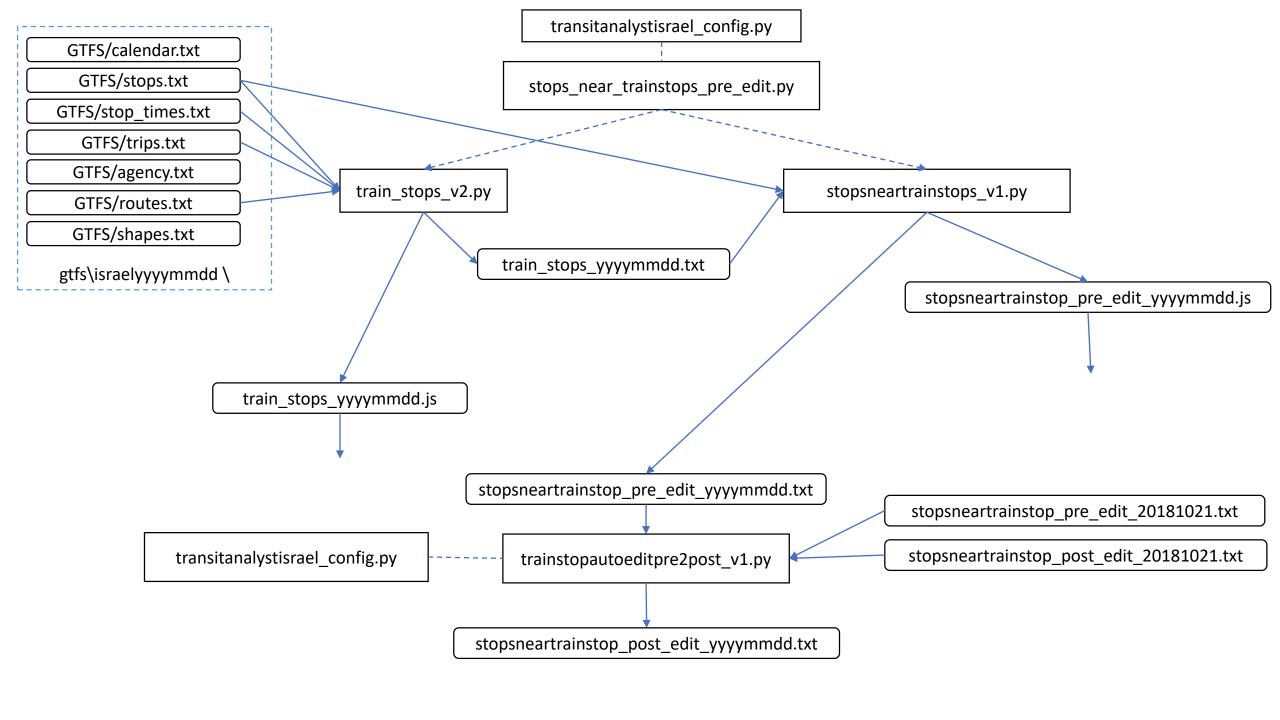


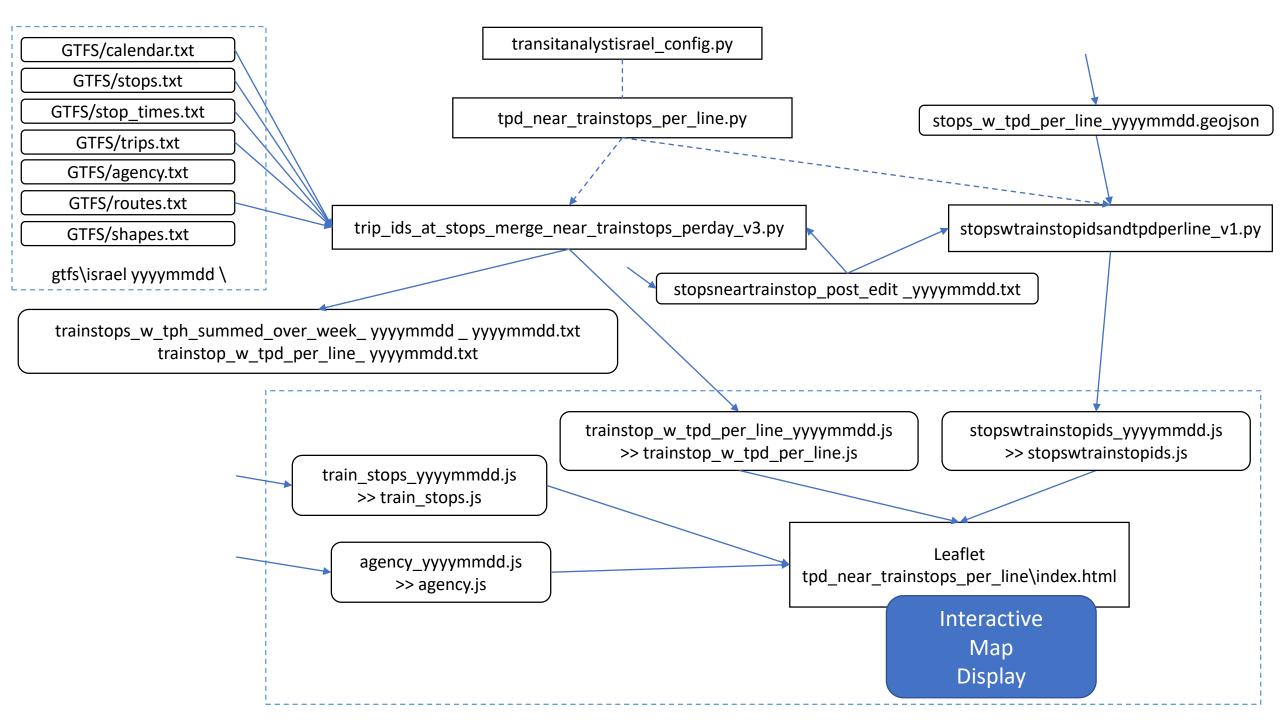


tpd_at_stops_per_line

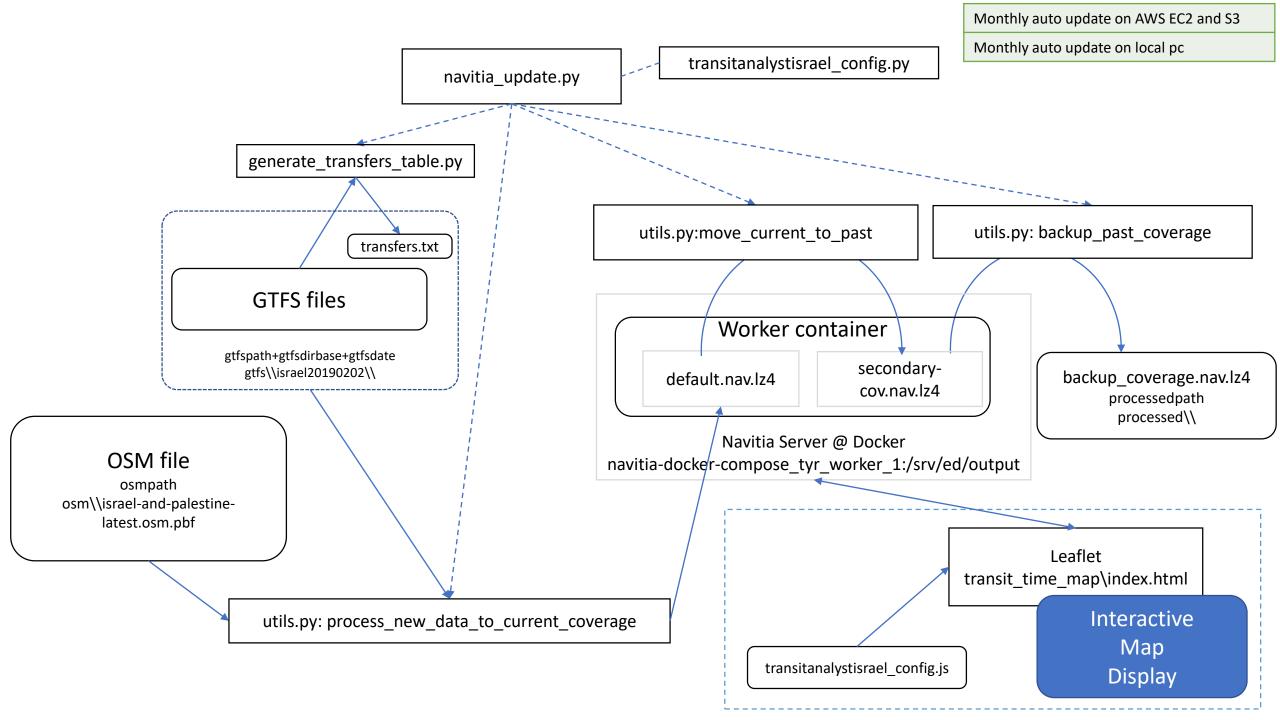


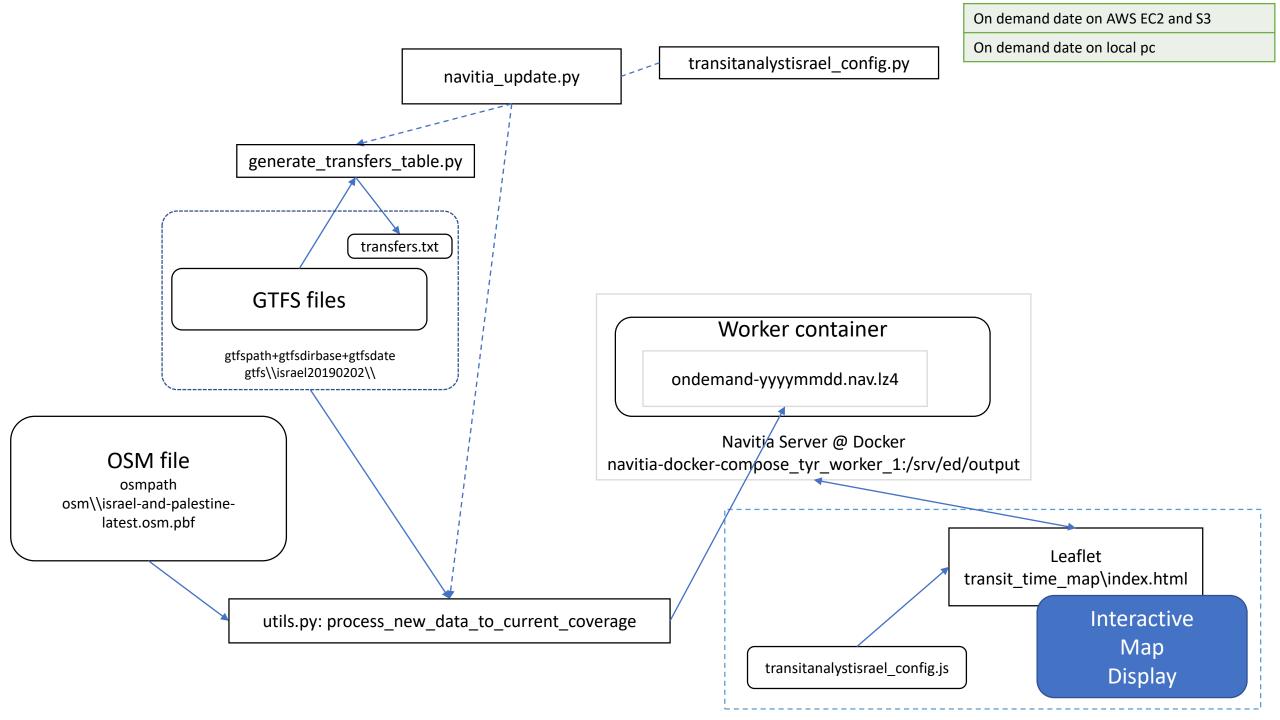
tpd_near_trainstops_per_line





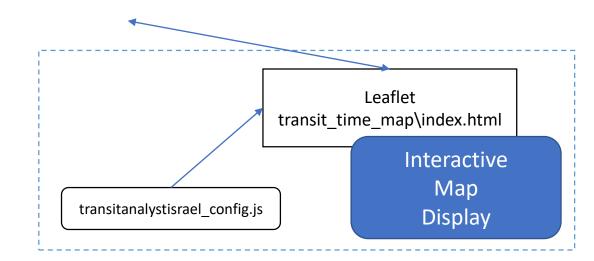
transit_time_map



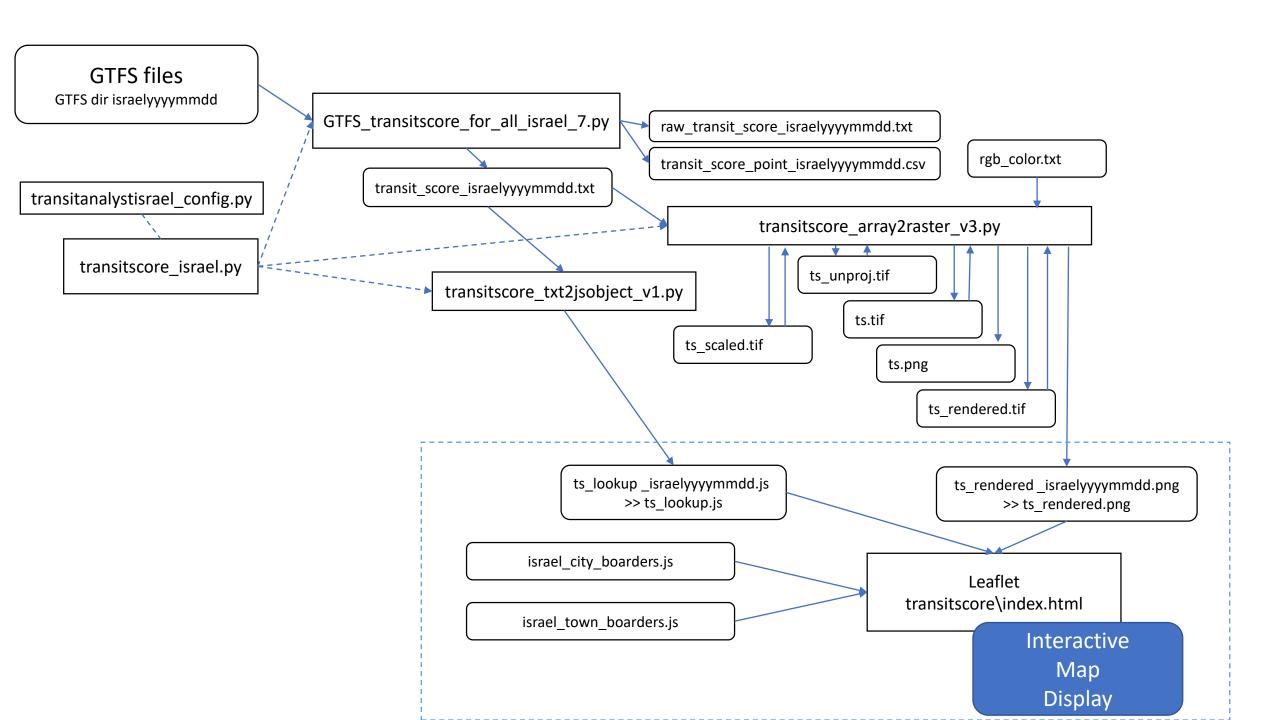


On demand date on S3 only (no TTM)

On demand date on local pc no TTM $\,$



transitscore

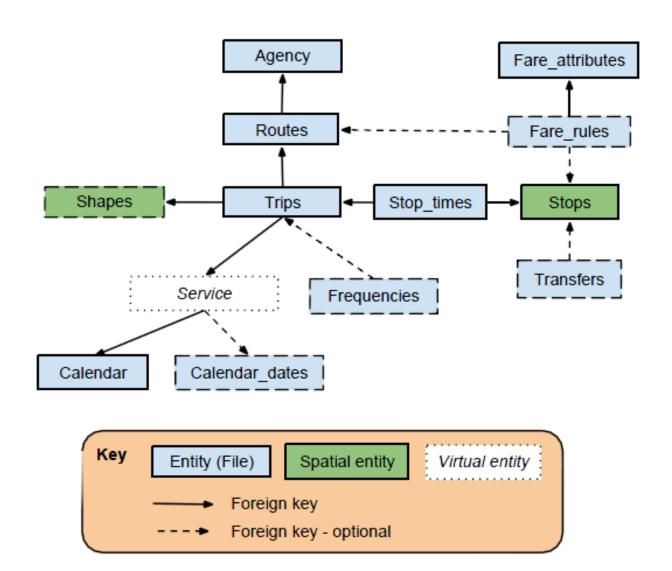


TransitAnalyst flows

Release 1.0

March 2019

GTFS Files



GENERAL TRANSIT FEED SPECIFICATION A Guide to the TRANSIT SYSTEM Table names of txt files shown in red boxes. Fields linking tables in redtext. fore attributes FARES agency fare_rules MAPS agency-id route-id ROUTES routes shapes shape-id TRIPS CALENDAR JAN. service-id trips calendar_dates trip-id STOPS stap-times TRANSFERS 102 103 A stop. id transfers Not Shown: feed info. txt, Frequencies txt

Fields Linking GTFS Files