

COUNTRY EXPOSURE MODEL

Review main statistic of a exposure model and create summaries for a given Country.

```
/home/risk/venvs/py38w/lib/python3.8/site-packages/geopandas/_compat.py:111: UserWarning: The S
hapely GEOS version (3.9.1-CAPI-1.14.2) is incompatible with the GEOS version PyGEOS was compil
ed with (3.10.1-CAPI-1.16.0). Conversions between both will be slow.
  warnings.warn(
```

```
# Parameters
country = "Bahamas"
```

Exposure files:
Exposure_Com_Bahamas.csv
Exposure_Ind_Bahamas.csv
Exposure_Res_Bahamas.csv

Sanity checks and formats

Bahamas

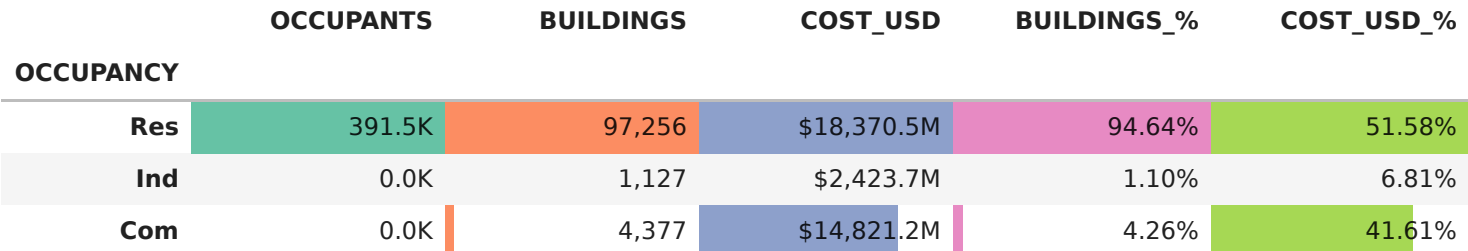
Exposure/Exposure/Exposure_Com_Bahamas.csv
Exposure/Exposure/Exposure_Ind_Bahamas.csv
Exposure/Exposure/Exposure_Res_Bahamas.csv
Occupants / Dwellings = 4.0
Reference avg household size (2019) = 3.4
Population (exposure / UN_2021) = 0.99
WARNING: ADM_1 with empty values:

OCCUPANCY	Com	Ind	Res
ID_1			
BHS-ADM1-57655419B29758972	NaN	NaN	Moore's Island
BHS-ADM1-57655419B38364826	Mangrove Cay	NaN	Mangrove Cay
BHS-ADM1-57655419B42761212	NaN	NaN	Rum Cay
BHS-ADM1-57655419B4479367	South Abaco	NaN	South Abaco
BHS-ADM1-57655419B45517779	Harbour Island	NaN	Harbour Island
BHS-ADM1-57655419B6070116	Acklins	NaN	Acklins
BHS-ADM1-57655419B62918977	NaN	NaN	Grand Cay
BHS-ADM1-57655419B66050450	NaN	NaN	Ragged Island
BHS-ADM1-57655419B74847134	NaN	NaN	Spanish Wells

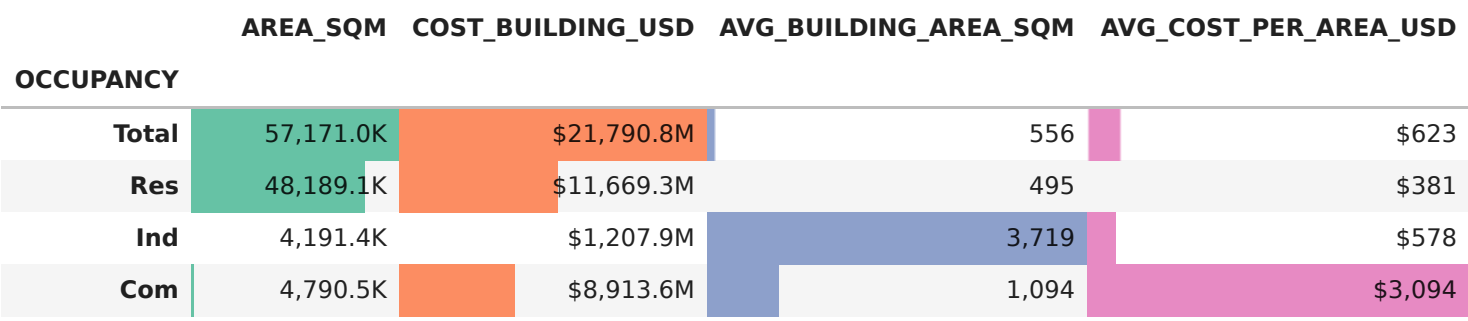
Exposure models OK

Exposure at National level

Summary by occupancy type



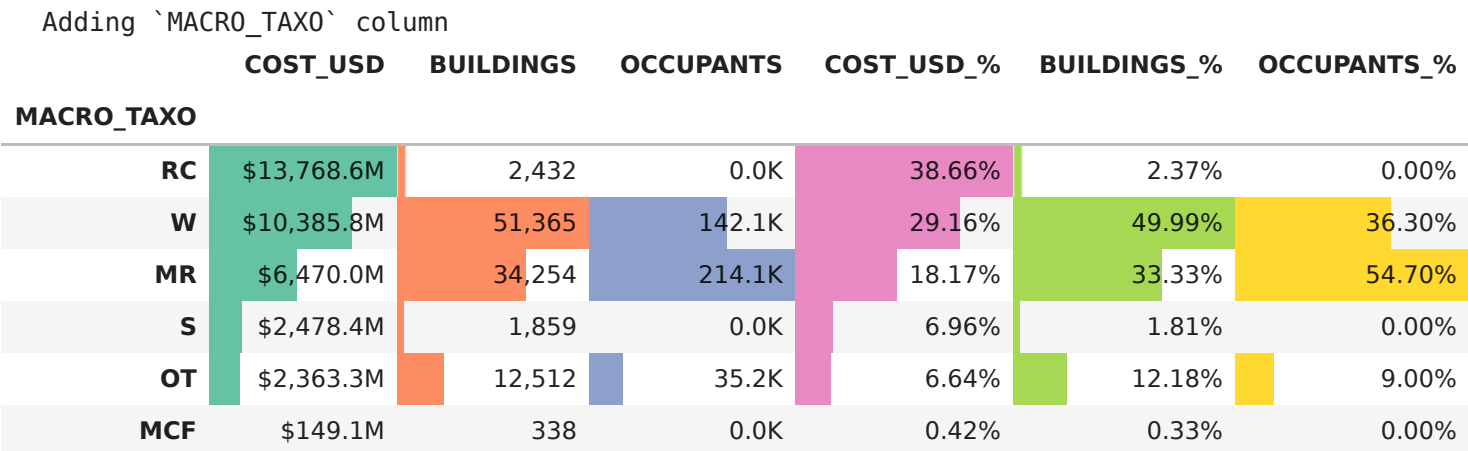
Other metrics to consider



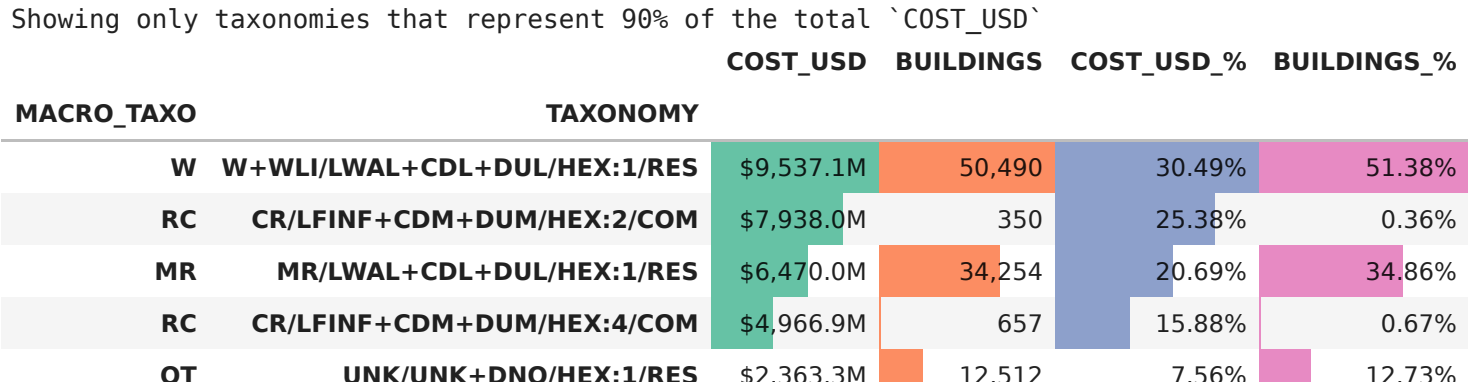
Exposure summary at Admin level 1



Exposure by simplified taxonomy



Exposure by taxonomy



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