COUNTRY EXPOSURE MODEL

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

22,800.6K

699.1K

1,181.6K

\$436.8B

COST_USD

\$40.220.0M

\$40,220.0M

\$26,412.9M

\$25,956.2M

\$24,793.9M

\$24,422.3M

\$24,422.3M

\$15,761.1M

\$15,055.3M

\$14,233.6M

\$13,833.6M

\$12,710.8M

\$12,353.7M

\$11,585.4M

\$11,259.9M

\$7,718.3M

\$7.501.4M

\$6,887.4M

\$6,707.9M

\$6,350.7M

\$6,217.7M

\$6,217.7M

\$6,172.3M

\$6,055.7M

\$6,055.7M

\$5,693.4M

\$5,533.4M

\$5,317.4M

\$5,317.4M

\$5,156.7M

\$5,156.7M

\$4,634.2M

\$4,504.0M

\$4,132.5M

\$4,024.8M

\$3,925.6M

\$3,750.4M

\$3,750.4M

\$3,547.7M

\$3,448.0M

\$3,431.6M

\$3,277.9M

\$2,979.0M

\$2,895.3M

\$2,855.0M

\$2,846.7M

\$2,766.7M

\$2,540.3M

\$2,505.2M

\$2,468.9M

\$2,434.8M

\$2,317.1M

\$2,252.0M

\$2,166.5M

\$2,118.7M

\$2,105.7M

\$2,059.8M

\$2,059.2M

\$2,010.0M

\$1,984.6M

\$1,953.5M

\$1,928.8M

\$1,891.9M

\$1,838.8M

\$1,821.9M

\$1,819.9M \$1,770.7M

\$1,768.7M

MUR+CB/LWAL+CDN/H:2/RES

MUR+CL/LWAL+CDN/H:2/RES

MUR+STRUB/LWAL+CDN/H:2/RES

MUR+ADO/LWAL+CDN/H:1/COM

CR/LFINF+CDM/HBET:4-7/RES

MUR+CB/LWAL+CDN/H:2/COM

MUR+CL/LWAL+CDN/H:2/COM

CR/LFINF+CDL/HBET:4-7/RES

MUR+CB/LWAL+CDN/H:1/COM

MUR+CL/LWAL+CDN/H:1/COM

MUR+CB/LWAL+CDN/HBET:3-

MUR+CL/LWAL+CDN/HBET:3-

MUR+CB/LWAL+CDN/H:1/IND

MUR+CL/LWAL+CDN/H:1/IND

MUR+STRUB/LWAL+CDN/H:2/COM

MUR+STRUB/LWAL+CDN/H:1/COM

MUR+STRUB/LWAL+CDN/H:1/IND

MUR+CB/LWAL+CDN/H:2/IND

MUR+CL/LWAL+CDN/H:2/IND

MCF/LWAL+CDM/HBET:3-6/RES

MCF/LWAL+CDL/HBET:3-6/RES

MUR+ADO/LWAL+CDN/HBET:3-

MUR+STRUB/LWAL+CDN/H:2/IND

CR/LDUAL+CDM/HBET:4-7/RES

CR/LDUAL+CDL/HBET:4-7/RES

S+SL/LFM+CDM/H:1/IND

S+SL/LFM+CDL/H:1/IND

CR/LWAL+CDM/H:3/RES

CR/LWAL+CDL/H:3/RES

S/LFM+CDM/H:1/IND

S/LFM+CDL/H:1/IND

CR/LWAL+CDM/H:2/RES

CR/LWAL+CDL/H:2/RES

S+SL/LFM+CDM/H:2/IND

CR/LFINF+CDM/H:3/COM

S+SL/LFM+CDL/H:2/IND

CR/LFINF+CDL/H:3/COM

CR/LFINF+CDM/H:1/RES

CR/LFINF+CDL/H:1/RES

CR/LFINF+CDM/H:1/IND

CR/LFINF+CDL/H:1/IND

W/LWAL+CDM/H:2/RES

W/LWAL+CDL/H:2/RES

S/LFM+CDM/H:2/IND

S/LFM+CDL/H:2/IND

CR/LFINF+CDM/HBET:8+/RES

CR/LFINF+CDL/HBET:8+/RES

MUR+STDRE/LWAL+CDN/H:2/RES

MUR+STRUB/LWAL+CDN/HBET:3-

CR/LDUAL+CDM/H:2/RES

CR/LDUAL+CDL/H:2/RES

CR/LDUAL+CDM/H:3/RES

CR/LDUAL+CDL/H:3/RES

6/RES

6/RES

E+ETO/LWAL+CDN/H:1/RES

TAXONOMY

COST_USD

\$431.0B

\$58.2B

\$81.2B

COST_USD_%

10.03%

8.06%

7.18%

6.76%

6.64%

6.21%

5.64%

5.51%

5.21%

4.43%

4.37%

4.22%

4.11%

4.01%

3.58%

3.23%

2.08%

1.65%

1.59%

1.39%

1.10%

0.76%

0.68%

0.60%

0.45%

0.37%

0.17%

COST_USD_%

43.74%

25.40%

14.76%

10.37%

3.27%

1.85%

0.60%

BUILDINGS

1,989,535

1,989,535

2,920,847

1,604,946

1,352,717

2,040,549

2,040,549

1,646,100

1,387,401

323,279

314,197

416,090

404,398

404,534

393,161

426,759

414,768

101,056

202,118

14,816

72,984

72,984

14,402

145,974

145,974

129,312

125,675

26,850

26,850

98,494

98,494

161,813

157,269

60,637

121,270

93,724

32,830

32,830

11,854

11,522

21,664

18,264

36,109

35,092

31,243

64,657

62,843

5,927

30,371

5,761

29,517

80,905

78,631

12,038

9,509

11,706

101,892

118,546

115,216

9,238

3,704

3,599

20,853

20,264

10,121

73,758

9,840

71,688

BUILDINGS_%

98

86

285

203

BUILDINGS_%

10.03%

8.06%

7.18%

6.76%

6.64%

6.21%

5.64%

5.51%

5.21%

4.43%

4.37%

4.22%

4.11%

4.01%

3.58%

3.23%

2.08%

1.65%

1.59%

1.39%

1.10%

0.77%

0.68%

0.60%

0.45%

0.37%

0.18%

BUILDINGS %

51.16%

11.86%

24.26%

7.37%

0.71%

1.57%

3.08%

COST_USD_%

7.86%

7.86%

5.16%

5.07%

4.84%

4.77%

4.77%

3.08%

2.94%

2.78%

2.70%

2.48%

2.41%

2.26%

2.20%

1.51%

1.47%

1.35%

1.31%

1.24%

1.21%

1.21%

1.21%

1.18%

1.18%

1.11%

1.08%

1.04%

1.04%

1.01%

1.01%

0.91%

0.88%

0.81%

0.79%

0.77%

0.73%

0.73%

0.69%

0.67%

0.67%

0.64%

0.58%

0.57%

0.56%

0.56%

0.54%

0.50%

0.49%

0.48%

0.48%

0.45%

0.44%

0.42%

0.41%

0.41%

0.40%

0.40%

0.39%

0.39%

0.38%

0.38%

0.37%

0.36%

0.36%

0.36%

0.35%

0.35%

92.38%

2.83%

4.79%

COST_USD_%

75.56%

10.21%

14.23%

\$237

\$219

\$292

\$338

10.03%

8.06%

7.18%

6.76%

6.64%

6.21%

5.64%

5.51%

5.21%

4.43%

4.37%

4.22%

4.11%

4.01%

3.58%

3.23%

2.08%

1.65%

1.59%

1.39%

1.10%

0.77%

0.68%

0.60%

0.45%

0.37%

0.17%

49.73%

14.55%

23.87%

7.28%

0.00%

1.50%

3.07%

8.60%

8.60%

12.63%

6.94%

5.85%

8.83%

8.83%

7.12%

6.00%

1.40%

1.36%

1.80%

1.75%

1.75%

1.70%

1.85%

1.79%

0.44%

0.87%

0.06%

0.32%

0.32%

0.06%

0.63%

0.63%

0.56%

0.54%

0.12%

0.12%

0.43%

0.43%

0.70%

0.68%

0.26%

0.52%

0.41% 0.14%

0.14%

0.05%

0.05%

0.09%

0.08%

0.16%

0.15%

0.14%

0.28%

0.27%

0.03%

0.13%

0.02%

0.13%

0.35%

0.34%

0.05%

0.04%

0.05%

0.44%

0.04%

0.51%

0.02%

0.50%

0.02%

0.09%

0.09%

0.04%

0.32%

0.04%

0.31%

BUILDINGS_%

OCCUPANTS_%

OCCUPANTS_%

/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(

Sanity checks and formats **Egypt**

Exposure_Com_Egypt.csv Exposure_Ind_Egypt.csv Exposure Res Egypt.csv

Parameters country = "Egypt"

Exposure files:

Exposure/Exposure_Com_Egypt.csv Exposure/Exposure_Ind_Egypt.csv Exposure/Exposure_Res_Egypt.csv

Population (exposure / UN 2021) = 0.98 Exposure models OK

Occupants / Dwellings = 4.1

Exposure at National level Summary by occupancy type **OCCUPANTS BUILDINGS OCCUPANCY**

0.0M

Reference avg household size (2019) = 4.12

102.1M Res Ind 0.0M

Com

Other metrics to consider

AREA_SQM COST_BUILDING_USD AVG_BUILDING_AREA_SQM AVG_COST_PER_AREA_USD **OCCUPANCY**

Total 2,408.4M

Exposure by taxonomy Showing only taxonomies that represent 90% of the total `COST USD` MACRO_TAXO

Res	1,969.2M		\$34 <mark>7.0B</mark>		
Ind	199.2M		\$34.2B		
Com	240.0M		\$55.5B		
Exposure	summa	ry at Adn	nin level	1	
	COST_USD	BUILDINGS	OCCUPANTS		
NAME_1					
Giza Governorate	\$57,197.0M	2,474.8K	10,238.7K		
Cairo Governorate	\$45,957.4M	1,988.5K	8,226.7K		
Dakahlia Governorate	\$40,957.6M	1, 772 .2K	7,331.7K		
Al Sharqia Governorate	\$38,551.0M	1,668.1K	6,900.9K		
Qalyubia Governorate	\$37,871.9M	1,63 <mark>8.7</mark> K	6,779.4K		
Beheira Governorate	\$35,414.2M	1,532.4K	6,339.6K		
Minya Governate	\$32,145.7M	1,391.0K	5,754.6K		
Alexandria Governorate	\$31,419.9M	1,359.6K	5,624.7K		
Gharbiyya Governorate	\$29,690.5M	1, <mark>284.7K</mark>	5,315.1K		
Sohag Governorate	\$25,251.2M	1,092.6K	4,520.4K		
Asyut Governorate	\$24,906.2M	1,077.7K	4,458.6K		
Monufia Governorate	\$24,043.5M	1,040.4K	4,304.2K		
Luxor Governate	\$23,423.0M	1,013.5K	4,193.1K		
Kafr el- Sheikh Governorate	\$22,850.5M	988.8K	4,090.6K		
Faiyum Governorate	\$20,444.5M	884.7K	3,659.9K		
Beni Suef Governorate	\$18,406.2M	796.5K	3,295.0K		
Qena Governorate	\$11,886.5M	514.4K	2,128.1K		
Damietta Governorate	\$9,412.8M	407.3K	1,685.2K		
Aswan Governorate	\$9,059.7M	392.0K	1,622.0K		
New Valley Governorate	\$7,940.3M	343.6K	1,421.6K		
Ismailia Governorate	\$6,266.2M	271.2K	1,122.1K		
Port Said Governorate	\$4,362.2M	188.9K	781.3K		
Suez Governorate	\$3,882.4M	168.2K	695.8K		
Matrouh Governorate	\$3,396.1M	147.1K	608.7K		
North Sinai Governorate	\$2,554.3M	110.7K	458.0K		
Red Sea Governorate	\$2,088.5M	90.5K	374.6K		
South Sinai Governorate	\$993.8M	43.2K	178.7K		
Exposure by simplified taxonomy					
-	CRO_TAXO` co		-		
COST_USD BUILDINGS OCCUPANTS					
MACRO_TAXO MUR	\$249,504.4M	12,626.6K	50,776.8K		
RC	\$249,504.4M \$144,898.2M		14,858.9K		
ADO/E	\$144,898.2M		24,375.5K		
MCF	\$59,132.2M		7,429.4K		
S	\$18,679.1M		0.0K	ſ	
W	\$10,524.1M	1	1,531.6K		
ОТ	\$3,437.1M		3,136.8K		
		•	•		

ADO/E	MUR+ADO/LWAL+CDN/H:2/RES
MUR	MUR+CB/LWAL+CDN/H:1/RES
	MUR+CL/LWAL+CDN/H:1/RES
	MUR+STRUB/LWAL+CDN/H:1/RES
ADO/E	MUR+ADO/LWAL+CDN/H:1/RES
RC	CR/LFINF+CDM/H:3/RES
	CR/LFINF+CDL/H:3/RES
MCF	MCF/LWAL+CDM/H:2/RES
	MCF/LWAL+CDL/H:2/RES
RC	CR/LFINF+CDM/H:2/RES
	CR/LFINF+CDL/H:2/RES
MCF	MCF/LWAL+CDM/H:1/RES
	MCF/LWAL+CDL/H:1/RES
ADO/E	MUR+ADO/LWAL+CDN/H:2/COM
ADO/E	

RC

MUR

RC

MUR

RC

MUR

RC

MUR

MCF

MUR

ADO/E

S

MUR

RC

S

RC

S

RC

S

RC

S

MUR

RC

S

S

MUR

ADO/E

MUR