## COUNTRY EXPOSURE MODEL

GEOS version PyGEOS was compiled warnings.warn(

**BUILDINGS** 

2,123.0K

42.5K

82.5K

\$141.6B

\$118.0B

\$7.6B

\$16.0B

**OCCUPANTS** 

2,292.8K

345.2K

335.5K

230.0K

227.5K

225.1K

219.3K

213.9K

203.7K

187.8K

179.5K

178.6K

176.9K

173.2K

157.1K

139.5K

136.5K

133.4K

131.1K

129.5K

129.4K

121.4K

117.6K

117.3K

110.8K

109.4K

108.7K

107.5K

106.1K

105.7K

104.8K

104.6K

104.3K

100.5K

99.2K

98.8K

98.7K

98.1K

94.1K

93.7K

89.1K

88.5K

88.1K

87.1K

87.0K

85.4K

81.3K

80.6K

78.2K

76.2K

75.8K

67.6K

64.1K

59.4K

58.8K

58.3K

56.7K

55.4K

49.7K

46.9K

46.5K

44.7K

44.2K

43.6K

42.1K

41.1K

35.0K

34.3K

32.3K

28.5K

25.0K

16.9K

15.9K

9.9K

**OCCUPANTS** 

7,354.0K

1,827.4K

482.6K

64.5K

0.0K

174.6K

137.8K

COST\_USD

\$22,411.8M

\$17,239.8M

\$13,380.6M

\$12,826.7M

\$12,544.3M

\$9,866.7M

\$5,917.3M

\$4,924.5M

\$3,226.5M

\$3,226.5M

\$3,184.1M

\$3,184.1M

\$2,978.3M

\$2,978.3M

\$2,792.1M

\$2,792.1M

\$2,704.2M

\$2,458.6M

\$2,215.5M

\$1,803.0M

\$1,803.0M

\$1,672.6M

\$1,670.9M

\$1,587.4M

\$1,568.0M

\$1,359.0M

\$1,320.4M

\$1,281.2M

\$1,202.3M

\$1,138.7M

\$1,073.3M

\$1,073.3M

\$1,065.9M

\$1,065.9M

\$1,051.1M

\$1,047.2M

\$1,019.2M

\$968.3M

\$968.3M

0.0K

COST\_USD

\$136.3B

\$14.2B

\$23.9B

COST\_USD\_%

22.98%

3.45%

3.36%

2.30%

2.27%

2.25%

2.19%

2.13%

2.03%

1.87%

1.79%

1.78%

1.77%

1.73%

1.56%

1.39%

1.36%

1.33%

1.30%

1.29%

1.29%

1.21%

1.17%

1.17%

1.10%

1.09%

1.08%

1.07%

1.05%

1.05%

1.04%

1.04%

1.04%

1.00%

0.99%

0.98%

0.98%

0.97%

0.93%

0.93%

0.88%

0.88%

0.88%

0.86%

0.86%

0.85%

0.81%

0.80%

0.78%

0.76%

0.75%

0.67%

0.63%

0.59%

0.58%

0.58%

0.55%

0.49%

0.46%

0.46%

0.44%

0.44%

0.43%

0.42%

0.41%

0.34%

0.33%

0.31%

0.27%

0.24%

0.16%

0.15%

0.09%

54.41%

33.37%

4.09%

2.82%

2.42%

1.98%

0.60%

0.32%

**BUILDINGS** 

530,998

530,998

3,392

6,105

243,119

243,119

81,032

100,007

61,155

61,155

2,516

40,769

40,769

5,097

5,097

4,228

8,569

14,097

5,717

5,717

544

477

640

948

2,856

324

582

16,703

2,630

2,630

285

285

11,135

1,235

37,671

1,908

1,908

21,153

COST\_USD\_%

Exposure\_Com\_Azerbaijan.csv Exposure\_Ind\_Azerbaijan.csv Exposure\_Res\_Azerbaijan.csv

country = "Azerbaijan"

# Parameters

Exposure files:

Sanity checks and formats **Exposure at National level** 

Summary by occupancy type **OCCUPANTS** 

## **OCCUPANCY**

10.0M

0.0M

350.2M

304.1M

**BUILDINGS** 

512,269

77,143

74,981

51,413

50.877

50,331

49,043

47,818

45,548

42,014

40,165

39,940

39,571

38,741

35,180

31,231

30,553

29,874

29,339

28,988

28,956

27,178

26,341

26,267

24,811

24,510

24,355

24,075

23,757

23,677

23,460

23,436

23,362

22,524

22,224

22,129

22,099

21,971

21,082

20,992

19,977

19,840

19,765

19,526

19,504

19,144

18,230

18,082

17,537

17,095

17,015

15,184

14,414

13,372

13,232

13,118

12,766

12,477

11,203

10,570

10,487

10,083

9,976

9,843

9,504

9,278

7,881

7,738

7,276

6,410

5,626

3,809

3,574

2,251

**BUILDINGS** 

1,925,688

60,559

138,051

24,127

12,751

45,814

38,922

2,100

Showing only taxonomies that represent 90% of the total `COST\_USD`

**TAXONOMY** 

Exposure summary at Admin level 1

COST\_USD

\$6,023.0M

\$3.915.9M

\$3.815.9M

\$3,720.7M

\$3,544.2M

\$3.267.5M

\$3,123.2M

\$3,106.2M

\$3,077.5M

\$3,012.6M

\$2,726.3M

\$2,420.6M

\$2,366.6M

\$2,314.1M

\$2,272.6M

\$2,245.3M

\$2,242.8M

\$2,104.2M

\$2,039.2M

\$2,034.1M

\$1,921.0M

\$1,896.2M

\$1,884.6M

\$1,862.9M

\$1,837.8M

\$1,831.0M

\$1,814.4M

\$1,812.5M

\$1,807.0M

\$1,741.3M

\$1,717.6M

\$1,710.6M

\$1,708.4M

\$1,698.1M

\$1,629.2M

\$1,622.0M

\$1,542.7M

\$1,532.3M

\$1,525.7M

\$1,507.0M

\$1,505.5M

\$1,478.2M

\$1,405.9M

\$1,393.8M

\$1,352.1M

\$1,317.8M

\$1,310.8M

\$1,165.8M

\$1,104.6M

\$1,024.1M

\$1,013.5M

\$1,005.0M

\$977.8M

\$955.2M

\$855.9M

\$807.5M

\$800.9M

\$768.8M

\$760.7M

\$750.0M \$724.0M

\$706.9M

\$589.1M

\$577.6M

\$543.6M

\$477.9M

\$419.9M

\$281.5M

\$264.2M

\$162.2M

**Exposure by simplified taxonomy** 

COST USD

\$94,863.6M

\$58,178.8M

\$7,132.9M

\$4,909.0M

\$4,218.8M

\$3,449.9M

\$1,042.8M

\$565.2M

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

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

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

MUR+STDRE/LWAL+CDN/H:1/RES

MUR+STDRE/LWAL+CDN/H:3/RES

MIX(MUR+W)/LWAL+CDL/H:2/RES

CR+PC/LWAL+CDL/HBET:4-7/COM

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

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

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

MUR+CB/LWAL+CDN/H:3/RES

MUR+CL/LWAL+CDN/H:3/RES

MUR+CB/LWAL+CDN/HBET:4-

MUR+CL/LWAL+CDN/HBET:4-

MUR/LWAL+CDN/HBET:3-6/COM

S/LFM+CDL/H:1/IND

MUR/LWAL+CDN/H:2/COM

CR+PC/LWAL+CDL/H:1/IND

CR+PC/LPB+CDL/H:7/RES

CR+PC/LPB+CDL/H:8/RES

MUR/LWAL+CDN/H:1/COM

CR+PC/LPB+CDL/H:6/RES

CR+PC/LPB+CDL/H:4/RES

CR+PC/LPB+CDM/H:5/RES

CR+PC/LWAL+CDL/H:3/COM

CR+PC/LWAL+CDL/HBET:8-/COM

CR/LFINF+CDL/HBET:8-/COM

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

CR+PC/LWAL+CDL/H:2/IND

CR/LFINF+CDL/H:2/IND

W/LWAL+CDL/H:2/RES

CR/LFINF+CDL/H:3/COM

W/LWAL+CDL/H:3/RES

MATO/RES

CR+PC/LPB+CDM/HBET:9-/RES

S/LFM+CDL/H:2/IND

CR/LFINF+CDL/H:1/IND

6/RES

CR+PC/LPB+CDL/HBET:9-/RES

CR+PC/LPB+CDL/H:5/RES

Adding `MACRO\_TAXO` column

Res

Ind

**Total** 

Res

Com		0.0M	

Other metrics to consider

COST BUILDING USD AVG BUILDING AREA SQM AVG COST PER AREA USD AREA SQM

**OCCUPANCY** 

Ind 17.6M

Com 28.5M

NAME 1 Baku \$40,071.3M

Ganja \$5,853.2M \$4,002.9M Lankaran \$3.958.0M Masally

**Shamkir Absheron Aghdam** Shaki

**Jalilabad** 

**Sumgait** 

Khachmaz Tovuz

Sabirabad Guba Barda Salyan

Agdjabadi Fuzuli

**Imishly** Zagatala Yevlakh Goychay Kurdamir

Sharur Agdash Astara Saatly Gabala Shamakhy

Mingechevir Bilasuvar Goranboy **Tartar** Gadabay Beylagan Balakan

Nakhchivan Kalbajar

Gusar

Gazakh

Ujar

Neftchala

**Aghstafa** 

Shirvan Ismayilly

Lerik

Jabrayil

Aghsu

Lachin

**Babek** 

Hajigabul

**Yardimly** 

Goygol

Shabran

**Zardab** 

Samukh

Khankendi

Ordubad

Gobustan

Zangilan

Khojavand

Siyazan

Gubadly

Shusha

Kengerli

Khojaly

Shahbuz

Khizy

Sadarak

Naftalan

MACRO\_TAXO

**MUR** 

RC

MIX

**MCF** 

S

W

OT

MR

MACRO\_TAXO

**MUR** 

RC

**MUR** 

RC

**MUR** 

MIX

**MUR** 

RC

**MUR** 

**MUR** 

RC

**MUR** 

RC

S

RC

W

RC

W

**MCF** 

OT

RC

Exposure by taxonomy

Dashkasan

**Oghuz** 

Julfa

Review main statistic of a exposure model and	d create summaries for a given Coun
/home/risk/venvs/py38w/lib/python3.8 apely GEOS version (3.9.1-CAPI-1.14.with (3.10.1-CAPI-1.16.0). Conversion	.2) is incompatible with the G

**BUILDINGS\_%** 

156

143

414

345

**BUILDINGS\_%** 

22.79%

3.43%

3.34%

2.29%

2.26%

2.24%

2.18%

2.13%

2.03%

1.87%

1.79%

1.78%

1.76%

1.72%

1.56%

1.39%

1.36%

1.33%

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1.08%

1.07%

1.06%

1.05%

1.04%

1.04%

1.04%

1.00%

0.99%

0.98%

0.98%

0.98%

0.94%

0.93%

0.89%

0.88%

0.88%

0.87%

0.87%

0.85%

0.81%

0.80%

0.78%

0.76%

0.76%

0.68%

0.64%

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0.58%

0.57%

0.56%

0.50%

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0.45%

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0.42%

0.41%

0.35%

0.34%

0.32%

0.29%

0.25%

0.17%

0.16%

0.10%

**BUILDINGS\_%** 

85.66%

2.69%

6.14%

1.07%

0.57%

2.04%

1.73%

0.09%

COST\_USD\_%

14.31%

11.01%

8.54%

8.19%

8.01%

6.30%

3.78%

3.14%

2.06%

2.06%

2.03%

1.90%

1.90%

1.78%

1.78%

1.73%

1.57%

1.41%

1.15%

1.15%

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1.07%

1.01%

1.00%

0.87%

0.84%

0.82%

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0.73%

0.69%

0.69%

0.68%

0.68%

0.67%

0.67%

0.65%

0.62%

0.62%

94.44%

1.89%

3.67%

COST\_USD\_%

78.15%

8.16%

13.69%

\$498

\$448

\$809

\$839

22.83%

3.44%

3.34%

2.29%

2.27%

2.24%

2.18%

2.13%

2.03%

1.87%

1.79%

1.78%

1.76%

1.72%

1.56%

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1.17%

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1.10%

1.09%

1.08%

1.07%

1.06%

1.05%

1.04%

1.04%

1.04%

1.00%

0.99%

0.98%

0.98%

0.98%

0.94%

0.93%

0.89%

0.88%

0.88%

0.87%

0.87%

0.85%

0.81%

0.80%

0.78%

0.76%

0.76%

0.67%

0.64%

0.59%

0.59%

0.58%

0.55%

0.49%

0.47% 0.46%

0.44%

0.44%

0.43%

0.42%

0.41%

0.35% 0.34%

0.32%

0.28%

0.25%

0.17%

0.16%

0.10%

73.24%

18.20%

4.81%

0.64%

0.00%

1.74%

1.37%

0.00%

**BUILDINGS\_%** 

25.28%

25.28%

0.16%

11.58%

0.29%

11.58%

3.86%

4.76%

2.91%

2.91%

0.12%

0.12%

1.94%

1.94%

0.24%

0.24%

0.20%

0.41%

0.67%

0.27%

0.27%

0.03%

0.02%

1.01%

0.03%

0.05%

0.14%

0.02%

0.03%

0.80%

0.13%

0.13%

0.01%

0.01%

0.53%

0.06%

1.79%

0.09%

0.09%

**OCCUPANTS\_%** 

OCCUPANTS\_%

-			
or a given Country.			
eopandas/ compat.pv:111:	UserWarning:	The	S

for a given Country.		
geopandas/_compat.py:111:	~	