REGIONAL EXPOSURE SUMMARIES

Review main statistic of regional exposure models and create summaries across countries.

Parameters region = "South_America" /tmp/ipykernel_15384/1912813979.py:17: DtypeWarning: Columns (22) have mixed types.Specify dtyp

e option on import or set low_memory=False. df = append_files_by_country(exposure_files.File_Path)

1 - Argentina

- 2 Bolivia
- 4 Chile
- 3 Brazil

- 5 Colombia
- 6 Ecuador
- 7 French_Guiana 8 - Guyana

9 - Paraguay 10 - Peru 11 - Suriname 12 - Uruguay

dtype='object')

COUNTRY

Argentina

Bolivia

Chile

160,414.1M

24,137.3M

676,800.2M

136,828.5M

- 13 Venezuela
- **Exposure at National level by occupancy**

Ind

COUNTRY

Com

Argentina 522,909 198,699 11,147.6K

	Com	Ind	Res	5	Com_%	Ind_%	Res_%		
COST_USD									
Venezuela	289,910	190,799	6,636.2K		4.07%	2.68%	<mark>93.</mark> 25%		
Uruguay	26,240	22,439	452.3K		5.24%	4.48%	90.28%		
Suriname	2,848	2,168	42.6K		5.98%	4.55%	89.46%		
Peru	247,487	162,878	8,015.2K		2.94%	1.93%	95.13%		
Paraguay	57,636	38,702	764.7K		6.69%	4.49%	88.81%		
Guyana	7,685	5,865	115.7K		5.94%	4.54%	89.52%		
French_Guiana	1,241	865	33.4K		3.50%	2.44%	94.07%		
Ecuador	335,153	104,378	4,063.8K		7.44%	2.32%	90.24%		
Colombia	338,147	261,573	6,532.6K		4.74%	3.67%	91.59%		
Chile	290,173	149,882	3,912.9K		6.67%	3.44%	89.89%		
Brazil	2,200,633	738,668	58,167.5K	Г	3.60%	1.21%	95.19%		
Bolivia	127,422	13,002	3,019.0K		4.03%	0.41%	95.56%		

BUILDINGS

Res

Com_%

4.41%

12.38%

14.69%

12.77%

14.78%

Ind_%

1.67%

6.04%

1.67%

3.27%

9.53%

\$355

\$449

\$717

\$515

S_%

0.96%

0.04%

0.65%

1.83%

1.55%

1.03%

5.51%

14.65%

<mark>9.4</mark>7%

1.49%

0.64%

1.46%

42.30%

58.59%

8.34%

W_%

4.98%

9.38%

8.72%

36.58%

4.54%

Res_%

93.9²%

81.59%

83.64%

83.96%

75.69%

88,198.6M 700,566.7M 728,794.7M **6**9,845.1M

1,057,539.3M

137,422.9M

4,449,441.9M

78,278.0M

2,739.7M

173,276.3M

Colombia	116,260.9M	<mark>6</mark> 9,845.1M	728,794.7M	12.71%	7.63%	79.66%				
Ecuador	63,429.4M	36,411.3M	353,696.4M	13.99%	8 .03%	77.99%				
French_Guiana	470.7M	302.0M	4,957.5M	8.22%	5.27%	86.51%				
Guyana	976.0M	817.9M	5,214.0M	13.93%	11.67%	74.40%				
Paraguay	9,404.2M	8,969.1M	60,282.9M	11.96%	11.40%	76.64%				
Peru	86,891.1M	44,419.0M	631,895.2M	11.39%	5.82%	82.79%				
Suriname	362.1M	300.8M	2,091.9M	13.15%	10.92%	75.94%				
Uruguay	11,030.1M	9,648.0M	63,603.5M	13.09%	11.45%	75.47%				
Venezuela	65,281.9M	63,606.9M	394,440.7M	12.47%	12.15%	75.37%				
Other metrics to consider AVG_BUILDING_AREA_SQM AVG_COST_PER_AREA_USD										
COUNTRY	OCCUPANCY									
	Com		308	4	660					
Argentina	Ind		329	4	650					
	Res		97	4	757					
	Com		247	9	530					

321

78

288

251

Com Ind Brazil

Ind

Res

Bolivia

				231			4515		
	Res			97			\$607		
	Com			305			\$1,0 05		
Chile	Ind			302			\$1,0 00		
	Res			137			\$ 969		
	Com			371			\$610		
Colombia	Ind			286			\$493		
	Res			151			\$574		
	Com			402			\$310		
Ecuador	Ind			312			\$600		
	Res			95			\$691		
	Com			318			\$800		
French_Guiana	Ind			277			\$675		
	Res			108			\$1,097		
	Com			171			\$500		
Guyana	Ind			231			\$325		
	Res			73			\$439		
	Com			213			\$515		
Paraguay	Ind			276			\$450		
	Res			121			\$501		
	Com			353			\$659		
Peru	Ind			299			\$495		
	Res			96			\$617		
	Com			213			\$400		
Suriname	Ind			229			\$325		
	Res			104			\$364		
	Com			305			\$925		
Uruguay	Ind			308			\$750		
	Res			139			\$785		
	Com			258			\$570		
Venezuela	Ind			312			\$570		
	Res			83			\$548		
National exposure by simplified taxonomy									
Adding `MACRO_TAXO` column									
BUILDINGS									
	ADO/E_%	MCF_%	MR_%	MUR_	% от_	_%	RC_%		
COUNTRY									
Argentina	3.01%	30.25%	0.00%	55.76	% 0.86	5%	4.18%		

19.40% 4.85% 55.67% 1.88% 2.65%

14.73%

24.24%

19.34%

31.03%

1.66%

2.19%

Bolivia

Brazil

Chile

Colombia

Ecuador	3.82%	28.08%	0.00%	43.02%	0.33%	5.24%	1.11%	18.41%	
French_Guiana	0.00%	36.84%	0.34%	3 5.85%	0.00%	8.52%	0.94%	17.50%	
Guyana	0.89%	3.76%	0.61%	7.94%	3.22%	10.82%	1.66%	71.10%	
Paraguay	0.00%	45.05%	0.69%	48.42%	0.00%	3.99%	1.80%	0.04%	
Peru	23.23%	31.56%	0.00%	21.76%	0.11%	2.77%	0.93%	19.66%	
Suriname	0.00%	3.66%	0.64%	72.45%	0.06%	3.62%	1.76%	17.81%	
Uruguay	0.00%	39.64%	0.54%	54.12%	0.00%	4.07%	1.59%	0.04%	
Venezuela	10.13%	2 0.23%	0.00%	56.38%	0.08%	2.98%	2.61%	7.59%	
COST_USD ADO/E_% MCF_% MR_% MUR_% OT_% RC_% S_% W_%									
COUNTRY									
Argentina	1.64%	43.38%	0.00%	30.49%	0.56%	1 7.74%	2.90%	3.28%	
Bolivia	21.58%	31.80%	0.00%	31.83%	1.23%	5.16%	0.11%	8.29%	

0.00%

0.00%

15.60%

	ADO/E_%	MCF_%	MR_%	MUR_%	OT _%	RC_%	S _%	W _%
COUNTRY								
Argentina	1.64%	43.38%	0.00%	30.49%	0.56%	17.74%	2.90%	3.28%
Bolivia	21.58%	31.80%	0.00%	31.83%	1.23%	5.16%	0.11%	8.29%
Brazil	0.86%	34.79%	0.00%	32.77%	0.41%	23. <mark>85%</mark>	1.69%	5.63%
Chile	0.63%	19.21%	17.16%	4.70%	0.70%	36.25%	3.94%	17.42%
Colombia	0.85%	25.14%	7.89%	26.33%	0.61%	35.06%	2.60%	1.52%
Ecuador	1.89%	42.65%	0.00%	22.02%	0.19%	1 9.53%	2.37%	11.36%
French_Guiana	0.00%	<mark>2</mark> 6.83%	0.44%	2 8.34%	0.00%	29.71 <mark>%</mark>	1.51%	13.18%
Guyana	0.43%	8.64%	0.81%	5.14%	1.57%	36.48%	2.93%	44.01%
Paraguay	0.00%	52.55%	0.72%	27.42%	0.00%	16.47%	2.77%	0.07%
Peru	1 0.56%	51.99%	0.00%	10.43%	0.06%	13.12%	2.72%	11.11%
Suriname	0.00%	7.84%	0.80%	61.37%	0.04%	10.95%	2.91%	16.08%
Uruguay	0.00%	44.99%	0.75%	28.47%	0.00%	22. <mark>91%</mark>	2.83%	0.07%
Venezuela	5.66%	33. <mark>15</mark> %	0.00%	33.63%	0.05%	14.34%	7.60%	5.57%