

# REGIONAL EXPOSURE SUMMARIES

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

# Parameters  
region = "Caribbean\_Central\_America"

1 - Anguilla  
2 - Antigua\_and\_Barbuda  
3 - Aruba  
4 - Bahamas  
5 - Barbados  
6 - Belize  
7 - British\_Virgin\_Islands  
8 - Cayman\_Islands  
9 - Costa\_Rica  
10 - Cuba  
11 - Dominica  
12 - Dominican\_Republic  
13 - El\_Salvador  
14 - Grenada  
15 - Guadeloupe  
16 - Guatemala  
17 - Haiti  
18 - Honduras  
19 - Jamaica  
20 - Martinique  
21 - Montserrat  
22 - Nicaragua  
23 - Panama  
24 - Puerto\_Rico  
25 - Saint\_Kitts\_and\_Nevis  
26 - Saint\_Lucia  
27 - Saint\_Vincent\_and\_the\_Grenadines  
28 - Trinidad\_and\_Tobago  
29 - Turks\_and\_Caicos\_Islands  
30 - US\_Virgin\_Islands

Index(['COUNTRY', 'ID\_1', 'NAME\_1', 'TAXONOMY', 'OCCUPANCY', 'DWELLINGS',  
 'BUILDINGS', 'OCCUPANTS', 'COST\_USD', 'COST\_STRUCTURAL\_USD',  
 'COST\_NONSTRUCTURAL\_USD', 'COST\_CONTENTS\_USD', 'COST\_PER\_AREA\_USD'],  
 dtype='object')

## Exposure at National level by occupancy

BUILDINGS						
	Com	Ind	Res	Com_%	Ind_%	Res_%
COUNTRY						
Anguilla	563	86	3,012	15.38%	2.35%	82.27%
Antigua_and_Barbuda	1,421	340	23,943	5.53%	1.32%	93.15%
Aruba	1,261	652	20,947	5.52%	2.85%	91.63%
Bahamas	4,377	1,127	97,256	4.26%	1.10%	94.64%
Barbados	3,054	1,111	74,697	3.87%	1.41%	94.72%
Belize	4,858	1,243	42,607	9.97%	2.55%	87.48%
British_Virgin_Islands	647	240	7,197	8.00%	2.97%	89.03%
Cayman_Islands	964	231	9,327	9.16%	2.20%	88.64%
Costa_Rica	29,519	19,843	1,186,046	2.39%	1.61%	96.00%
Cuba	113,672	70,216	3,160,517	3.40%	2.10%	94.50%
Dominica	676	954	16,383	3.75%	5.30%	90.95%
Dominican_Republic	81,421	39,603	2,239,180	3.45%	1.68%	94.87%
El_Salvador	116,830	19,107	1,259,757	8.37%	1.37%	90.26%
Grenada	1,348	628	31,022	4.09%	1.90%	94.01%
Guadeloupe	3,589	2,131	138,585	2.49%	1.48%	96.04%
Guatemala	102,848	33,095	2,900,647	3.39%	1.09%	95.52%
Haiti	138,295	27,879	2,061,875	6.21%	1.25%	92.54%
Honduras	99,216	23,068	1,646,054	5.61%	1.30%	93.08%
Jamaica	56,829	13,845	815,031	6.42%	1.56%	92.02%
Martinique	4,260	1,177	99,967	4.04%	1.12%	94.84%
Montserrat	480	34	1,928	19.66%	1.39%	78.95%
Nicaragua	108,575	31,689	1,106,078	8.71%	2.54%	88.75%
Panama	34,990	7,480	745,662	4.44%	0.95%	94.61%
Puerto_Rico	5,148	945	1,398,079	0.37%	0.07%	99.57%
Saint_Kitts_and_Nevis	883	321	14,132	5.76%	2.09%	92.15%
Saint_Lucia	1,865	1,004	36,608	4.72%	2.54%	92.73%
Saint_Vincent_and_the_Grenadines	1,465	374	27,319	5.02%	1.28%	93.69%
Trinidad_and_Tobago	6,804	20,042	288,537	2.16%	6.35%	91.49%
Turks_and_Caicos_Islands	680	266	11,256	5.57%	2.18%	92.25%
US_Virgin_Islands	3,262	780	38,845	7.61%	1.82%	90.57%

COST_USD						
	Com	Ind	Res	Com_%	Ind_%	Res_%
COUNTRY						
Anguilla	165.0M	15.2M	214.5M	41.80%	3.85%	54.36%
Antigua_and_Barbuda	445.3M	109.4M	1,635.2M	20.34%	5.00%	74.67%
Aruba	1,850.1M	418.1M	3,326.8M	33.07%	7.47%	59.46%
Bahamas	14,821.2M	2,423.7M	18,370.5M	41.61%	6.81%	51.58%
Barbados	2,578.6M	969.2M	9,120.0M	20.36%	7.65%	71.99%
Belize	1,180.2M	638.7M	3,495.9M	22.21%	12.02%	65.78%
British_Virgin_Islands	1,210.3M	624.4M	1,342.4M	38.09%	19.65%	42.25%
Cayman_Islands	8,842.5M	561.1M	3,193.7M	70.19%	4.45%	25.35%
Costa_Rica	21,981.0M	20,652.8M	117,425.9M	13.73%	12.90%	73.36%
Cuba	28,351.1M	25,196.8M	158,638.8M	13.36%	11.87%	74.76%
Dominica	163.7M	71.3M	870.7M	14.81%	6.45%	78.74%
Dominican_Republic	36,618.7M	27,031.6M	194,731.4M	14.17%	10.46%	75.37%
El_Salvador	17,086.5M	13,143.7M	85,227.0M	14.80%	11.38%	73.82%
Grenada	450.7M	159.9M	2,804.9M	13.20%	4.68%	82.12%
Guadeloupe	1,215.7M	400.2M	9,619.6M	10.82%	3.56%	85.62%
Guatemala	24,732.2M	18,584.6M	187,381.9M	10.72%	8.06%	81.22%
Haiti	6,402.1M	691.9M	52,628.8M	10.72%	1.16%	88.12%
Honduras	20,622.0M	13,503.8M	114,133.0M	13.91%	9.11%	76.98%
Jamaica	13,258.1M	5,948.8M	61,710.0M	16.38%	7.35%	76.26%
Martinique	2,898.9M	248.2M	8,240.6M	25.46%	2.18%	72.36%
Montserrat	72.3M	7.4M	104.2M	39.29%	4.04%	56.66%
Nicaragua	9,393.9M	6,547.1M	70,476.0M	10.87%	7.58%	81.55%
Panama	15,813.7M	11,930.1M	72,522.8M	15.77%	11.90%	72.33%
Puerto_Rico	19,224.1M	3,785.9M	418,603.5M	4.35%	0.86%	94.79%
Saint_Kitts_and_Nevis	242.1M	103.8M	983.9M	18.21%	7.81%	73.99%
Saint_Lucia	365.5M	125.8M	2,326.5M	12.97%	4.47%	82.56%
Saint_Vincent_and_the_Grenadines	551.7M	50.9M	1,439.9M	27.01%	2.49%	70.50%
Trinidad_and_Tobago	4,084.6M	6,244.7M	34,939.3M	9.02%	13.79%	77.18%
Turks_and_Caicos_Islands	243.1M	55.3M	1,491.8M	13.58%	3.09%	83.33%
US_Virgin_Islands	9,642.3M	2,357.6M	22,719.2M	27.77%	6.79%	65.44%

## Other metrics to consider

		AVG_BUILDING_AREA_SQM		AVG_COST_PER_AREA_USD	
COUNTRY	OCCUPANCY				
Anguilla	Com		264		\$687
	Ind		221		\$401
	Res		352		\$151
Antigua_and_Barbuda	Com		295		\$654
	Ind		418		\$386
	Res		309		\$142
Aruba	Com		494		\$1,804
	Ind		1,646		\$190
	Res		512		\$189
Bahamas	Com		1,094		\$1,861
	Ind		3,719		\$288
	Res		495		\$242
Barbados	Com		501		\$1,045
	Ind		402		\$1,145
	Res		140		\$610
Belize	Com		191		\$813
	Ind		297		\$946
	Res		151		\$420
British_Virgin_Islands	Com		745		\$1,525
	Ind		3,483		\$368
	Res		530		\$230
Cayman_Islands	Com		1,760		\$3,131
	Ind		2,394		\$502
	Res		1,128		\$214
Costa_Rica	Com		842		\$550
	Ind		1,025		\$485
	Res		105		\$655
Cuba	Com		327		\$498
	Ind		528		\$363
	Res		105		\$366
Dominica	Com		265		\$554
	Ind		124		\$304
	Res		246		\$151
Dominican_Republic	Com		426		\$678
	Ind		690		\$554
	Res		121		\$553
El_Salvador	Com		203		\$457
	Ind		1,167		\$320
	Res		124		\$422
Grenada	Com		295		\$699
	Ind		574		\$223
	Res		335		\$189
Guadeloupe	Com		338		\$605
	Ind		462		\$203
	Res		260		\$189
Guatemala	Com		302		\$534
	Ind		709		\$465
	Res		130		\$382
Haiti	Com		117		\$255
	Ind		71		\$194
	Res		84		\$245
Honduras	Com		360		\$375
	Ind		965		\$333
	Res		112		\$492
Jamaica	Com		240		\$595
	Ind		659		\$331
	Res		98		\$547
Martinique	Com		546		\$751
	Ind		483		\$219
	Res		255		\$227
Montserrat	Com		196		\$502
	Ind		525		\$230
	Res		258		\$151
Nicaragua	Com		128		\$420
	Ind		360		\$320
	Res		80		\$610
Panama	Com		470		\$570
	Ind		1,316		\$603
	Res		131		\$532
Puerto_Rico	Com		1,187		\$1,483
	Ind		1,614		\$1,085
	Res		198		\$1,010
Saint_Kitts_and_Nevis	Com		263		\$644
	Ind		624		\$260
	Res		346		\$142
Saint_Lucia	Com		284		\$461
	Ind		333		\$208
	Res		251		\$189
Saint_Vincent_and_the_Grenadines	Com		542		\$463
	Ind		374		\$200
	Res		293		\$130
Trinidad_and_Tobago	Com		375		\$974
	Ind		295		\$548
	Res		115		\$753
Turks_and_Caicos_Islands	Com		264		\$839
	Ind		407		\$257
	Res		322		\$277
US_Virgin_Islands	Com		823		\$1,760
	Ind		755		\$1,612
	Res		243		\$1,603

## National exposure by simplified taxonomy

Adding `MACRO\_TAXO` column

	Barbados	0.00%	17.76%	16.31%	23.47%	0.33%	5.66%	1.02%	35.45%
	Belize	0.00%	20.12%	14.78%	33.25%	3.57%	9.74%	4.83%	13.71%
	British_Virgin_Islands	0.00%	0.74%	29.59%	0.00%	0.63%	13.29%	4.03%	51.72%
	Cayman_Islands	0.00%	0.33%	11.48%	0.00%	23.59%	58.83%	4.28%	1.49%
	Costa_Rica	0.00%	47.30%	11.40%	0.00%	2.86%	14.16%	1.22%	23.06%
	Cuba	1.76%	20.23%	18.37%	25.84%	1.43%	10.85%	0.89%	20.63%
	Dominica	0.00%	1.59%	75.85%	0.00%	0.00%	11.20%	3.46%	7.90%
	Dominican_Republic	0.00%	12.04%	19.28%	22.93%	3.25%	13.98%	2.54%	25.99%
	El_Salvador	14.99%	21.76%	18.57%	24.64%	2.57%	1.97%	3.17%	12.32%
	Grenada	0.00%	0.57%	73.46%	0.00%	0.20%	13.70%	1.80%	10.27%
	Guadeloupe	0.00%	0.44%	61.60%	0.00%	0.00%	26.21%	1.44%	10.31%
	Guatemala	24.65%	22.23%	6.58%	18.60%	2.07%	1.04%	0.28%	24.54%
	Haiti	13.35%	6.22%	2.50%	35.98%	22.45%	10.97%	1.02%	7.50%
	Honduras	31.42%	21.60%	5.70%	16.81%	1.00%	5.16%	2.27%	16.04%
	Jamaica	0.00%	20.75%	17.41%	29.05%	1.31%	7.27%	1.42%	22.80%
	Martinique	0.00%	0.33%	53.68%	0.00%	0.00%	28.12%	1.55%	16.31%
	Montserrat	0.00%	0.41%	34.28%	0.00%	0.41%	22.07%	7.33%	35.50%
	Nicaragua	5.73%	14.06%	6.15%	22.31%	3.85%	6.75%	5.04%	36.11%
	Panama	2.33%	26.13%	23.57%	21.16%	2.00%	8.41%	1.47%	14.92%
	Puerto_Rico	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%
	Saint_Kitts_and_Nevis	0.00%	0.63%	58.18%	0.00%	0.17%	26.68%	2.83%	11.52%
	Saint_Lucia	0.00%	0.76%	75.51%	0.00%	0.08%	11.93%	2.41%	9.30%
Saint_Vincent_and_the_Grenadines		0.00%	0.38%	40.51%	0.00%	10.51%	17.78%	2.65%	28.17%
	Trinidad_and_Tobago	0.42%	16.38%	13.53%	26.96%	0.36%	14.94%	2.47%	24.94%
	Turks_and_Caicos_Islands	0.00%	0.66%	38.57%	0.00%	10.84%	18.05%	2.60%	29.29%
	US_Virgin_Islands	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%
COST_USD									
	ADO/E_%	MCF_%	MR_%	MUR_%	OT_%	RC_%	S_%	W_%	
COUNTRY									
	Anguilla	0.00%	0.78%	0.00%	0.00%	0.09%	75.71%	4.66%	18.76%
	Antigua_and_Barbuda	0.00%	0.87%	0.00%	0.00%	11.11%	30.23%	5.97%	51.82%
	Aruba	0.00%	0.55%	3.69%	0.00%	0.00%	29.50%	5.83%	60.43%
	Bahamas	0.00%	0.42%	18.17%	0.00%	6.64%	38.66%	6.96%	29.16%
	Barbados	0.00%	39.61%	22.79%	8.95%	0.10%	11.48%	3.13%	13.94%
	Belize	0.00%	30.63%	21.88%	10.37%	0.89%	14.05%	18.63%	3.56%
	British_Virgin_Islands	0.00%	1.23%	13.39%	0.00%	0.28%	40.70%	15.28%	29.11%
	Cayman_Islands	0.00%	0.15%	5.71%	0.00%	5.83%	82.03%	4.38%	1.90%
	Costa_Rica	0.00%	68.03%	4.12%	0.00%	0.63%	13.40%	6.65%	7.16%
	Cuba	0.48%	33.02%	23.17%	7.63%	0.34%	24.76%	2.39%	8.20%
	Dominica	0.00%	1.93%	63.33%	0.00%	0.00%	16.86%	6.85%	11.04%
	Dominican_Republic	0.00%	23.39%	25.62%	5.81%	0.68%	26.40%	12.04%	6.06%
	El_Salvador	4.69%	32.95%	26.54%	8.84%	0.77%	8.03%	13.30%	4.88%
	Grenada	0.00%	0.69%	60.36%	0.00%	0.16%	20.75%	5.03%	13.01%
	Guadeloupe	0.00%	0.53%	50.79%	0.00%	0.00%	34.80%	3.83%	10.04%
	Guatemala	7.12%	59.93%	13.11%	6.21%	0.55%	2.94%	1.59%	8.55%
	Haiti	11.04%	10.28%	4.89%	30.35%	17.75%	14.52%	5.61%	5.56%
	Honduras	14.80%	38.32%	8.48%	8.72%	0.43%	13.32%	8.11%	7.81%
	Jamaica	0.00%	41.64%	26.50%	9.50%	0.35%	7.96%	3.70%	10.35%
	Martinique	0.00%	0.31%	38.32%	0.00%	0.00%	44.81%	2.84%	13.72%
	Montserrat	0.00%	0.51%	23.39%	0.00%	0.28%	38.88%	7.79%	29.15%
	Nicaragua	2.98%	34.53%	13.78%	12.90%	1.92%	6.59%	7.29%	20.01%
	Panama	0.47%	33.77%	22.52%	5.29%	0.40%	23.62%	9.80%	4.12%
	Puerto_Rico	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%
	Saint_Kitts_and_Nevis	0.00%	0.85%	42.88%	0.00%	0.12%	33.89%	7.29%	14.97%
	Saint_Lucia	0.00%	0.85%	64.09%	0.00%	0.07%	18.90%	3.93%	12.16%
Saint_Vincent_and_the_Grenadines		0.00%	0.39%	28.61%	0.00%	7.42%	31.70%	3.04%	28.84%
	Trinidad_and_Tobago	0.13%	36.46%	23.38%	10.86%	0.12%	8.56%	10.30%	10.19%
	Turks_and_Caicos_Islands	0.00%	0.58%	32.76%	0.00%	9.22%	25.43%	2.86%	29.16%
	US_Virgin_Islands	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%