REGIONAL EXPOSURE SUMMARIES

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

```
# Parameters
region = "South_Asia"
```

```
1 - Afghanistan
2 - Bangladesh
3 - Bhutan
4 - India
5 - Nepal
6 - Pakistan
7 - Sri_Lanka

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

COUNTRY	Com	Ind	Res	Com_%	Ind_%	Res_%
Afghanistan	261.3K	73,620	5,087.0K	4.82%	1.36%	93.82%
Bangladesh	472.0K	101,369	28,248.6K	1.64%	0.35%	98.01%
Bhutan	5.9K	702	153.4K	3.71%	0.44%	95.85%
India	23,887.8K	4,928,869	203,636.5K	10.28%	2.12%	87.60%
Nepal	88.3K	90,294	4,801.2K	1.77%	1.81%	96.41%
Pakistan	1,972.1K	738,074	32,057.8K	5.67%	2.12%	92.20%
Sri_Lanka	56.2K	25,812	4,873.2K	1.13%	0.52%	98.35%

COST_USD

COUNTRY	Com	Ind	Res	Com_%	Ind_%	Res_%
Afghanistan	39,244.6M	14,198.0M	83.4B	28.68%	10.38%	60.94%
Bangladesh	27,519.5M	15,864.0M	312.3B	7.74%	4.46%	87.80%
Bhutan	660.2M	98.8M	9.0B	6.80%	1.02%	92.19%
India	548,231.7M	212,334.0M	2,218.2B	18.40%	7.13%	74.47%
Nepal	11,797.6M	11,603.3M	139.9B	7.23%	7.11%	85.67%
Pakistan	134,391.2M	77,203.0M	546.5B	17.73%	10.18%	72.09%
Sri_Lanka	6,945.6M	3,896.1M	84.4B	7.29%	4.09%	88.62%

Other metrics to consider

COUNTRY	OCCUPANCY	AVG_BUILDING_AREA_SQM	AVG_COST_PER_AREA_USD
Afghanistan	Com	222	$466
Afghanistan	Ind	285	$391
Afghanistan	Res	74	$172
Bangladesh	Com	83	$498
Bangladesh	Ind	257	$354
Bangladesh	Res	50	$183
Bhutan	Com	107	$747
Bhutan	Ind	241	$341
Bhutan	Res	127	$392
India	Com	73	$215
India	Ind	104	$248
India	Res	75	$119
Nepal	Com	120	$784
Nepal	Ind	195	$389
Nepal	Res	89	$288
Pakistan	Com	217	$214
Pakistan	Ind	300	$186
Pakistan	Res	86	$163
Sri_Lanka	Com	140	$627
Sri_Lanka	Ind	249	$354
Sri_Lanka	Res	68	$223

National exposure by simplified taxonomy

```
Adding `MACRO_TAXO` column
```

BUILDINGS

COUNTRY	ADO/E_%	M_%	MCF_%	MIX_%	MR_%	MUR_%	OT_%	RC_%	S_%	W_%
Afghanistan	71.36%	0.00%	0.73%	0.00%	0.00%	23.69%	3.23%	0.79%	0.20%	0.00%
Bangladesh	16.65%	0.00%	0.00%	0.00%	0.00%	20.79%	44.87%	0.97%	0.09%	16.64%
Bhutan	6.40%	0.00%	0.00%	0.00%	0.00%	63.90%	2.60%	2.49%	0.12%	24.50%
India	29.16%	1.55%	1.81%	7.63%	0.00%	34.65%	11.31%	8.76%	0.66%	4.46%
Nepal	1.31%	0.00%	0.00%	0.00%	0.00%	64.25%	0.00%	2.40%	0.30%	31.73%
Pakistan	33.62%	0.00%	3.18%	2.40%	0.11%	46.96%	0.88%	9.07%	0.64%	3.14%
Sri_Lanka	8.26%	0.00%	0.00%	0.00%	0.00%	87.69%	1.57%	1.34%	0.11%	1.03%

COST_USD

COUNTRY	ADO/E_%	M_%	MCF_%	MIX_%	MR_%	MUR_%	OT_%	RC_%	S_%	W_%
Afghanistan	49.32%	0.00%	5.16%	0.00%	0.00%	33.12%	1.06%	9.47%	1.87%	0.00%
Bangladesh	11.54%	0.00%	0.00%	0.00%	0.00%	18.08%	28.78%	27.92%	1.45%	12.22%
Bhutan	1.23%	0.00%	0.00%	0.00%	0.00%	13.96%	0.36%	79.52%	0.38%	4.55%
India	10.73%	2.56%	7.66%	12.71%	0.00%	23.22%	3.28%	33.11%	2.60%	4.12%
Nepal	1.05%	0.00%	0.00%	0.00%	0.00%	65.19%	0.00%	18.50%	2.11%	13.15%
Pakistan	19.34%	0.00%	6.50%	1.81%	0.41%	41.39%	0.28%	25.17%	3.01%	2.09%
Sri_Lanka	6.46%	0.00%	0.00%	0.00%	0.00%	67.66%	1.65%	22.04%	1.25%	0.94%