REGIONAL EXPOSURE SUMMARIES

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

```
# Parameters
region = "Central_Asia"
```

```
1 - Kazakhstan
2 - Kyrgyzstan
3 - Tajikistan
4 - Turkmenistan
5 - Uzbekistan

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_%
Kazakhstan	206.4K	47.4K	2,448.1K	7.64%	1.76%	90.60%
Kyrgyzstan	64.0K	36.0K	674.8K	8.26%	4.64%	87.10%
Tajikistan	22.8K	9.9K	857.8K	2.56%	1.12%	96.32%
Turkmenistan	54.4K	6.7K	476.9K	10.11%	1.24%	88.65%
Uzbekistan	573.7K	189.7K	4,150.8K	11.68%	3.86%	84.47%

COST_USD

COUNTRY	Com	Ind	Res	Com_%	Ind_%	Res_%
Kazakhstan	30,718.4M	8,438.1M	235.5B	11.19%	3.07%	85.74%
Kyrgyzstan	8,311.6M	5,003.3M	62.4B	10.98%	6.61%	82.41%
Tajikistan	3,237.8M	1,505.5M	77.8B	3.92%	1.82%	94.25%
Turkmenistan	7,723.2M	790.6M	49.5B	13.30%	1.36%	85.34%
Uzbekistan	69,857.2M	24,012.0M	274.5B	18.96%	6.52%	74.52%

Other metrics to consider

COUNTRY	OCCUPANCY	AVG_BUILDING_AREA_SQM	AVG_COST_PER_AREA_USD
Kazakhstan	Com	168	$646
	Ind	213	$514
	Res	143	$573
Kyrgyzstan	Com	171	$551
	Ind	208	$414
	Res	168	$474
Tajikistan	Com	171	$603
	Ind	206	$453
	Res	148	$525
Turkmenistan	Com	171	$603
	Ind	159	$456
	Res	171	$519
Uzbekistan	Com	171	$517
	Ind	204	$386
	Res	135	$433

National exposure by simplified taxonomy

Adding `MACRO_TAXO` column

BUILDINGS

COUNTRY	ADO/E_%	MCF_%	MIX_%	MUR_%	OT_%	RC_%	S_%	W_%
Kazakhstan	39.73%	7.58%	5.18%	31.30%	2.42%	6.10%	2.51%	5.18%
Kyrgyzstan	42.07%	4.28%	12.11%	19.89%	4.05%	7.56%	2.13%	7.91%
Tajikistan	39.86%	4.87%	12.36%	19.78%	3.53%	10.74%	1.50%	7.36%
Turkmenistan	40.51%	3.54%	16.52%	17.17%	4.19%	7.29%	1.85%	8.93%
Uzbekistan	36.19%	1.24%	14.52%	33.66%	4.52%	4.17%	1.30%	4.39%

COST_USD

COUNTRY	ADO/E_%	MCF_%	MIX_%	MUR_%	OT_%	RC_%	S_%	W_%
Kazakhstan	15.24%	15.03%	4.05%	22.77%	1.36%	29.24%	7.91%	4.39%
Kyrgyzstan	16.57%	8.78%	7.87%	13.52%	2.23%	39.84%	5.26%	5.93%
Tajikistan	17.38%	9.48%	7.91%	13.51%	1.99%	39.54%	4.66%	5.53%
Turkmenistan	14.94%	9.91%	9.39%	10.48%	1.99%	42.98%	4.51%	5.80%
Uzbekistan	17.89%	4.81%	13.75%	33.01%	3.00%	19.40%	3.56%	4.58%