REGIONAL EXPOSURE SUMMARIES

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

```
# Parameters
region = "North_America"
```

```
1 - Canada
2 - Mexico
3 - United_States_of_America

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_%
Canada	634.1K	85.5K	8.9M	6.61%	0.89%	92.50%
Mexico	3,269.5K	499.1K	28.8M	10.05%	1.53%	88.41%
United_States_of_America	5,413.7K	1,295.7K	102.5M	4.96%	1.19%	93.86%

COST_USD

COUNTRY	Com	Ind	Res	Com_%	Ind_%	Res_%
Canada	1,954.4B	315.5B	3,958.8B	31.38%	5.07%	63.56%
Mexico	459.7B	79.9B	3,628.1B	11.03%	1.92%	87.05%
United_States_of_America	13,207.1B	4,037.3B	56,565.6B	17.89%	5.47%	76.64%

Other metrics to consider

COUNTRY	OCCUPANCY	AVG_BUILDING_AREA_SQM	AVG_COST_PER_AREA_USD
Canada	Com	1,276	$1,800
	Ind	1,341	$2,036
	Res	289	$1,421
Mexico	Com	141	$676
	Ind	131	$681
	Res	130	$750
United_States_of_America	Com	566	$2,087
	Ind	740	$1,753
	Res	170	$2,162

National exposure by simplified taxonomy

```
Adding `MACRO_TAXO` column
```

BUILDINGS

COUNTRY	ADO/E_%	MCF_%	MR_%	MUR_%	OT_%	RC_%	W_%
Canada	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
Mexico	4.32%	28.84%	7.69%	40.73%	0.99%	14.24%	3.20%
United_States_of_America	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%

COST_USD

COUNTRY	ADO/E_%	MCF_%	MR_%	MUR_%	OT_%	RC_%	W_%
Canada	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
Mexico	1.36%	33.65%	16.03%	18.11%	0.73%	27.35%	2.77%
United_States_of_America	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%