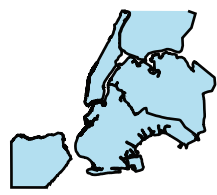


**Macau**  
 \$59451 per capita income  
 20,237.6 people/km<sup>2</sup>  
 Population 544,600  
 29.5 km<sup>2</sup>  
 GDP \$18.6 billion



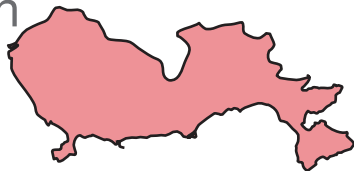
**New York City**  
 \$22402 per capita income (1999)  
 10,194.22 people/km<sup>2</sup>  
 Population 8,214,426 (2006)  
 784.77 km<sup>2</sup>  
 GDP \$1133 billion



**Hong Kong**  
 \$44413 per capita income  
 6,343.36 people/km<sup>2</sup>  
 Population 6,977,700  
 1,104 km<sup>2</sup>  
 GDP \$215.36 billion

**Shenzhen**

\$13,590 per capita  
 4,474.05 people/km<sup>2</sup>  
 Population 8,912,300  
 1992 km<sup>2</sup>  
 GDP \$120.14 billion



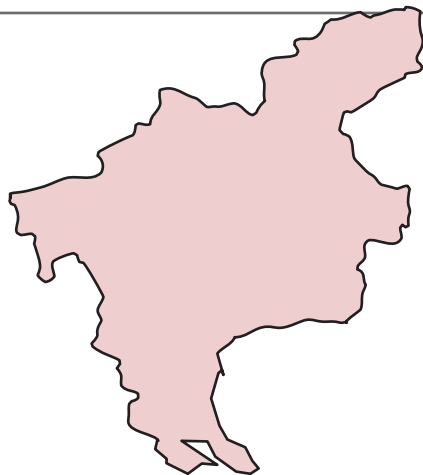
6000  $\frac{\text{people}}{\text{km}^2}$

\$0

\$60,000

**Guangzhou**

\$13111 per capita income  
 1,703.37 people/km<sup>2</sup>  
 Population 6,546,800  
 3,843.43 km<sup>2</sup>  
 GDP \$133.5 billion



0  $\frac{\text{people}}{\text{km}^2}$

**Dongguan**

\$8003 per capita income  
 6.34 people/km<sup>2</sup>  
 Population 1,787,300  
 2,465 km<sup>2</sup>  
 GDP \$55.6 billion



**Does Denser Mean Richer?**

Population Density versus Per Capita Income in the Pearl River Delta

Tim Andrianoff

Of the Pearl River Delta Region's major economic centers, the physically tiny and less populous city of Macau is one of the regions's densest population centers. Though not a major manufacturing center, it turns out to also have one of the highest per capita incomes in the region. Is this unusual for the region? Is this concentration of people and wealth simply a fluke of economics? Looking at four other cities in the region, while this relationship does not appear as strong, the density of cities does show some stratification between cities in terms of per capita income, with the next most dense city, Hong Kong, also having the next highest per capita income. Shenzhen and Guangzhou break with the trend, with Shenzhen's higher population density yielding the same per capita income as Guangzhou. The sparse Dongguan, however, follows through, having the lowest per capita income. One is caused to wonder, does wealth follow people, or vice versa?

Sources:  
[http://www.gdstats.gov.cn/tjnj/ml\\_e.htm](http://www.gdstats.gov.cn/tjnj/ml_e.htm)  
 Pearl River Delta student presentation, Mapping Urbanism, Fall 2010