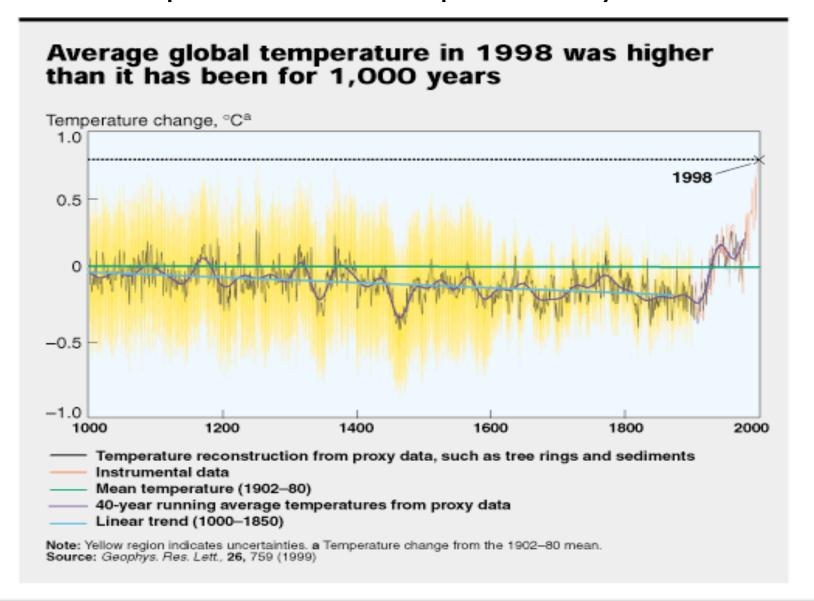


## Increasing Temperatures and Stronger Hurricanes

What is happening over time?

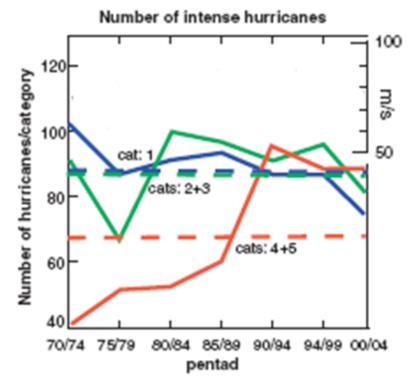


## Temperature over the past 1000 years



## **NUMBER OF HURRICANES:**

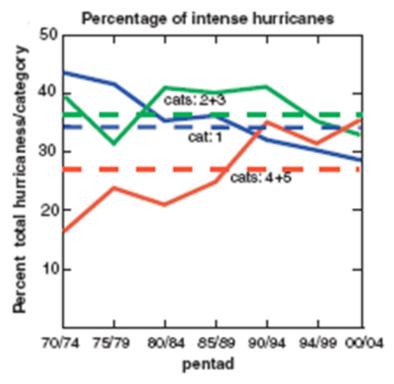
What is happening to the number of Category 4 & 5 storms over time?



Webster, P. J., Holland, G. J., Curry, J. A., and Chang, H.-R. (2005). Changes in Tropical Cyclone Number, Duration, and Intensity in a Warming Environment. *Science*, 309, 1844 – 1846.

## What are the trends?

- 1. In 1970-1974, which category of hurricanes was the most common?
- 2. In 1980-1984, which category of hurricanes was the most common?
- 3. In 1990-1994, which category of hurricanes was the most common
- 4. What is the trend from 1970 to now? Should we be concerned?



Webster, P. J., Holland, G. J., Curry, J. A., and Chang, H.-R. (2005). Changes in Tropical Cyclone Number, Duration, and Intensity in a Warming Environment. *Science*, 309, 1844 – 1846.