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### HW #3

a) consequences	fatalities/year	costs [fatality/(person-year)]
Fatalities in traffic crashes	41,059	$1.19 \times 10^{-4}$
injuries in traffic crashes	2,491,000	0.00722
alcohol related deaths	12,998	$3.768 \times 10^{-5}$
speeding related deaths	13,040	$3.780 \times 10^{-5}$

b) 1) Black Death	75 million
2) Central China Floods	3.7 million
3) Yellow River Flood	2 million
4) Seismic swarm in Egypt/Syria	1.1 million
5) Shaanxi, China Earthquake	830,000
6) Tremblor in Tongshan, China	655,000
7) Bhola cyclone	500,000
8) Orissa, India cyclone	300,000
9) Kolkata, India Typhoon	300,000
10) Antioch Earthquake	300,000

- c) There is no difference between Hurricanes, Typhoons, & cyclones physically. They are all names to describe the same phenomenon, but have different names based on where they spawn.
- Hurricanes are in the North Atlantic & North East Pacific.
  - Typhoons are in the Northwest Pacific.
  - Cyclones are in the South Pacific & Indian.