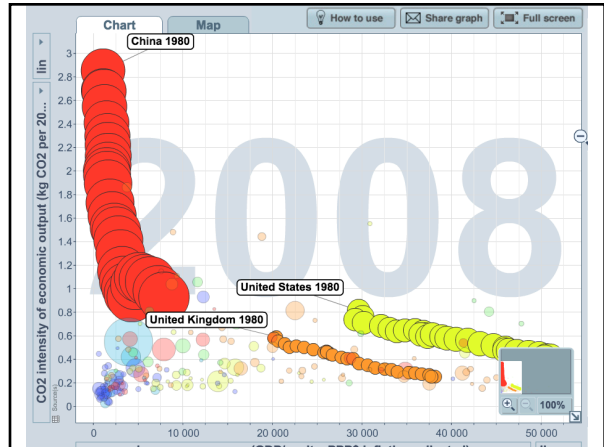


- January 27, Class #8, Transmission
- Transmission Video
 - Carbon Intensity Video
 - Externalities of Coal Industry
 - Midterm #1 Activity Section next week

- You were discussing:
1. Videos from last night
 2. Yesterday's Cool technology stuff
 3. Black Lung, Externalities, Regulations
 4. PS #3
 5. Not throwing anything away
 6. Politics
 7. Social / weekend
 8. Other

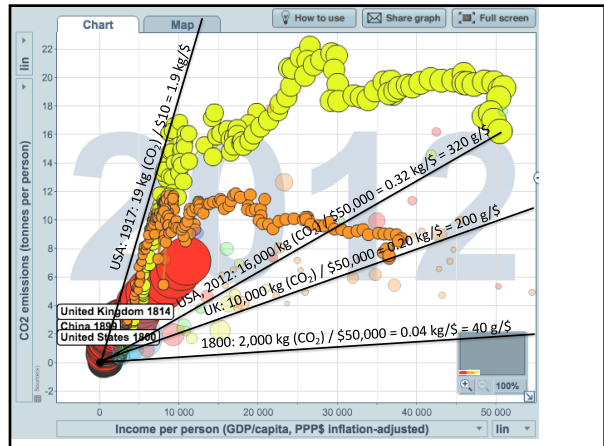
- January 27, Class #8, Transmission
- Transmission Video, and Demo ←
 - Carbon Intensity Video ←
 - Externalities of Coal Industry ←

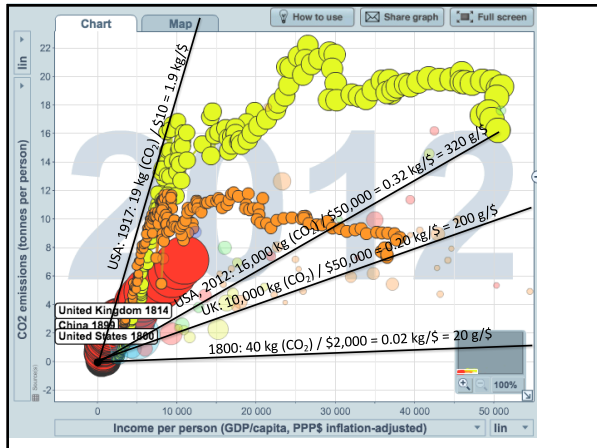


The **Industrial Revolution** was the transition to new manufacturing processes in the period from about 1760 to sometime between 1820 and 1840. This transition included going from hand production methods to machines, new chemical manufacturing and iron production processes, improved efficiency of **water power**, the increasing use of **steam power**, the development of **machine tools** and the rise of the **factory system**. **Textiles** were the dominant industry of the Industrial Revolution in terms of employment, value of output and capital invested; the textile industry was also the first to use modern production methods.^[1] The Industrial Revolution



A Watt steam engine. James Watt transformed the steam engine from a reciprocating motion that was used for pumping to a rotating motion suited to industrial applications. Watt and others significantly improved the efficiency of the steam engine.





Chinese Communist Revolution

From Wikipedia, the free encyclopedia

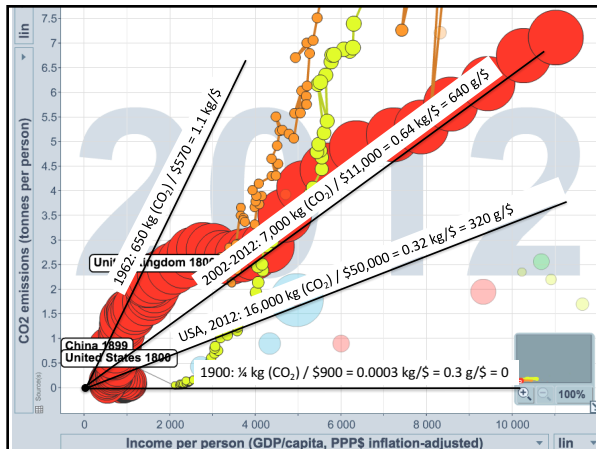
The **Chinese Communist Revolution** or The **Second Chinese Civil War** started from 1945, after the end of **Second Sino-Japanese War**, and it is the second part of the **Chinese Civil War**. It was the culmination of the **Chinese Communist Party's** drive to power since its founding in 1921. In the official media, this period is known as the **War of Liberation** (simplified

Chinese Communist Revolution

Part of the [Chinese Civil War](#)

People's Liberation Army occupies the Presidential Palace in Nanjing. April, 1949

Date • 1946–1950



January 27, Class #8, Transmission

- Transmission Video, and Demo
- Carbon Intensity Video
- Externalities of Coal Industry ←

Big Exam! #3:

- 1) I use a 100 W motor for 20 minutes. How much electrical energy did I use? How much did it cost? How much CO₂ is produced if the electricity was generated from burning coal? NGCC?
- 2) Difference between Cogen / Combined cycle.
- 3) What is AC? Why do we have AC? Why do we have transformers? How does a transformer work?