

Survey project

What is your topic? And why did you pick it?

Energy, I chose it because it's something that is relative to everybody, but maybe not knowing well enough. I chose data's that shows how much of a deep hole we are in. For example the fuel consumption, shows all top 76 countries and to show it next to USA.

research of bp's data STATISTICS 2009

Connection to Math

Survey Project: Conclusion

Now you should say whether or not your hypothesis were proven correct, or whether they were proven wrong. For each of the hypothesis write the hypothesis, what the survey data said, and whether or not your Hypothesis was proven true.

All based on Fuel Consumption Graph

Hypothesis 1: If USA relies on fossil fuel, then they will use coal the most.

What did the results show about your hypothesis? True

Why do you think this is the case?

Because since coal is the cheapest out of all three, and Its mines produced 1.2 billion tons in 2008, nearly all of it destined for electricity generation. That was a record year, but it barely scratched the surface of U.S. recoverable coal reserves, which are estimated at about 270 billion tons. In fact, more than one-fourth of the total known world coal reserves are located in the United States ("The National Academies." Our Energy Sources, Nuclear.)

Hypothesis 2: If China has double the population of USA, then their consumption rate, should double too.

What did the results show about your hypothesis? False

Why do you think this is the case? China holds about 1.3 billion people, whereas USA holds about 315 million people. China consumption rate is less than of USA because in my opinion, they are conserving or using their energy usefully, unlike USA.

Hypothesis 3: USA's nuclear energy has increased since 2007 to 2008, because nuclear was recently introduced.

What did the results show about your hypothesis? True

Why do you think this is the case? Actually nuclear wasn't just recently introduced, but According to government estimates, output from nuclear power plants is expected to increase 10% by 2030. Providing 20% of total electricity in USA, nuclear energy is the strongest source for electricity.

Hypothesis 4: If Japan is the third most efficient in economic wise, they should have more consumption rate than Germany, which is fourth.

What did the results show about your hypothesis? True

Why do you think this is the case? Japan's has always been doing well but recently of 2008, they were showing recession factors, but they are still in third, and that's why they are consuming more to provide that kind of economy.

Hypothesis 5: If South Korea has been doing drastically well recently, then their consumption rate should too.

What did the results show about your hypothesis? False

Why do you think this is the case? It showed about the same 2007 to 2008, but researching more before that time, they had a huge spike in fuel consumption rate at 2003, when they were focusing on entertainment surprisingly.