Projecting Population Size:
The United States in 2024

Adventures in Supercomputing Challenge
Final Report
April 6, 2005

Bosque School
Team #014

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- **Executive Summary**

- Hypothesis: In 20 years the population is going to be outrageous.
- Approach: Using a computer model we are predicting the US population in the future.
- Starting with current population
- Adding expected births
- Subtracting expected deaths from multiple causes
- Repeating this process for each day

- **Introduction**

  o *The Issue*

    - December 8, 2004 at 2:06:13 EST PM the population was 294,889,845
    - We will find the population from December 8, 2004 to December 8, 2024.

    The Project

Using Java we will make a pop clock to show the population between December 8, 2004 and December 8, 2024. This means we will have to figure out 7306 different population numbers.

- **Results**

This is just a small excerpt from our Excell document, these figures are very acurate, very real, and very frightening.
- 02/18/05
- 295578736.6
- 02/19/05
- 295588304.6
- 02/20/05
- 295597872.5
- 02/21/05
- 295607440.4
- 02/22/05
- 295617008.4
- 02/23/05
- 295626576.3
- 02/24/05
- 295636144.3

o   ***The Code***

The formula that we used to get these numbers in the Excel document was
=B1+9855.757837-0.031-0.0245-2.7813-136.76815-148.21358. B1 is 294,889,845
We copied this formula to all of the 7306 cells that we needed it in, and with it we got a more extensive version of the above results.

• **Most Significant Achievement**

Our most significant achievement would have to be the Excel document that we have put extensive time into.

o   ***Acknowledgements***

We thank Mr. Allen for his time and effort

References

Birth Rate
http://www.infoplease.com/ipa/A0005067.html
War Death Rate
http://www.biblehelp.org/war3.html
Murder Death Rate
http://www.benbest.com/lifeext/murder.html
Old Age Death Rate
http://www.benbest.com/lifeext/causes.html?source=DeathClock
Disease Death Rate
http://www.benbest.com/lifeext/causes.html?source=DeathClock
Suicide Death Rate
http://www.nimh.nih.gov/publicat/harmaway.cfm

Supercomputing Challenge Team 014