

MBA Program in Technology Management
University of Phoenix – Online Campus
Class 3 – Quantitative Reasoning for Business – QRB 501
August 25, 2009 – October 5, 2009
Instructor: Professor Kenneth LeCour
Week 04 Assignment
Due September 21, 2009, 23:59:00 Mountain Time
Submitted September 21, 2009, 21:30:00 Mountain Time
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Why could the difference between a 2.5 percent and a 3 percent annual growth rate be of great significance over several decades?

The data and graph below show the difference between the U.S. and a country in parallel universe Planet named Elvis. They both start out in 2008 with a GDP of 14.44 Trillion Dollars. Over a period of 35 years, the United States of America will be shown to experience an annual GDP growth of an average 2.5% and the United States of Elvis will be shown to experience an annual average GDP growth of 3% per year.

By Year 12, there is a 1 Trillion difference between 2.5% and 3.0% GDP Annual Growth Rates.
By Year 19, there is a 2 Trillion difference between 2.5% and 3.0% GDP Annual Growth Rates.
By Year 24, there is a 3 Trillion difference between 2.5% and 3.0% GDP Annual Growth Rates.
By Year 28, there is nearly a 4 Trillion difference between 2.5% and 3.0% GDP Annual Growth Rates.
By Year 32, there is a 5 Trillion difference between 2.5% and 3.0% GDP Annual Growth Rates.
By Year 35, there is a 6 Trillion difference between 2.5% and 3.0% GDP Annual Growth Rates.

The Data – Comparing GDP Data
 United States of America vs. United States of Elvis
 2008 - 2042

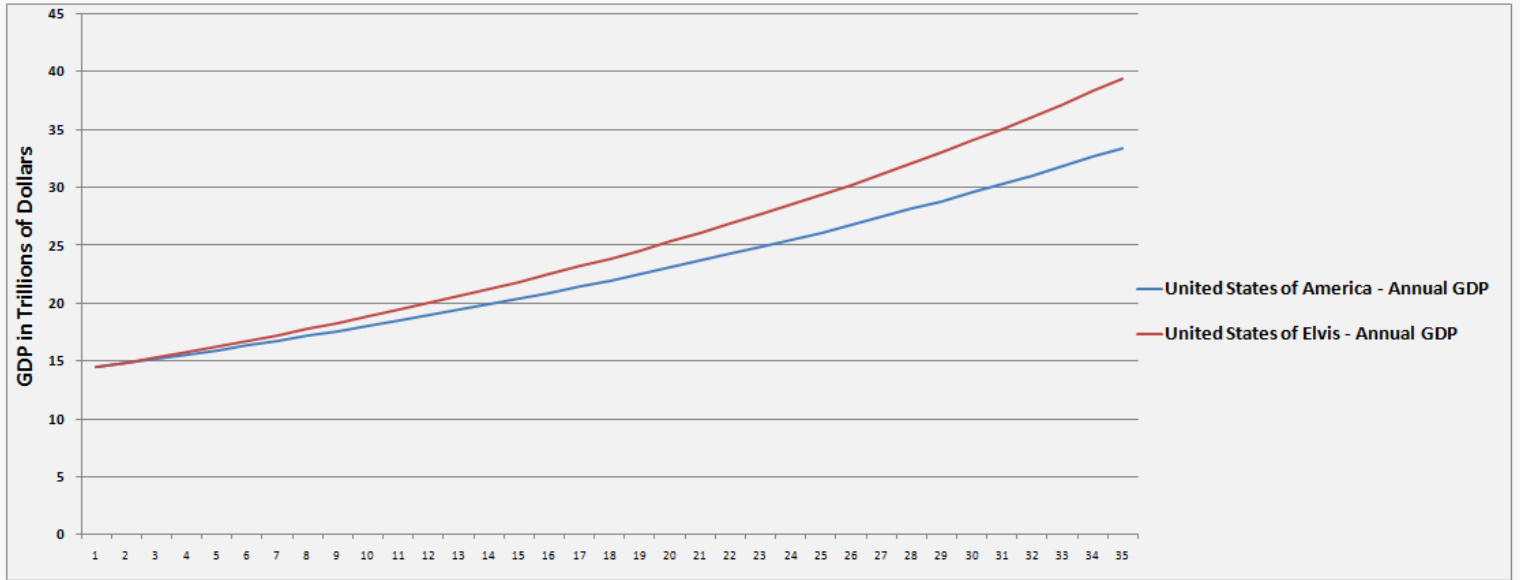
Year Count	Year	United States of America - Annual GDP	Annual Growth Rate	United States of Elvis - Annual GDP	Annual Growth Rate
1	2008	14.44	0.025	14.44	0.03
2	2009	14.80		14.87	
3	2010	15.17		15.32	
4	2011	15.55		15.78	
5	2012	15.94		16.25	
6	2013	16.34		16.74	
7	2014	16.75		17.24	
8	2015	17.16		17.76	
9	2016	17.59		18.29	
10	2017	18.03		18.84	
11	2018	18.48		19.41	
12	2019	18.95		19.99	
13	2020	19.42		20.59	
14	2021	19.91		21.21	
15	2022	20.40		21.84	
16	2023	20.91		22.50	
17	2024	21.44		23.17	
18	2025	21.97		23.87	
19	2026	22.52		24.58	
20	2027	23.08		25.32	
21	2028	23.66		26.08	
22	2029	24.25		26.86	
23	2030	24.86		27.67	
24	2031	25.48		28.50	
25	2032	26.12		29.35	
26	2033	26.77		30.23	
27	2034	27.44		31.14	
28	2035	28.13		32.08	
29	2036	28.83		33.04	
30	2037	29.55		34.03	
31	2038	30.29		35.05	
32	2039	31.05		36.10	
33	2040	31.82		37.18	
34	2041	32.62		38.30	
35	2042	33.43		39.45	

The Graph

United States of America vs. United States of Elvis

2008 - 2042

Comparing a GDP Average Annual Growth Rates - 2.5% vs 3%
United States of America vs. United States of Elvis
2008 - 2042



Some Possible Pictures of Planet Elvis

