

Assume Households are distributed log-normally by Income. Enter Mean and Median

3C 1

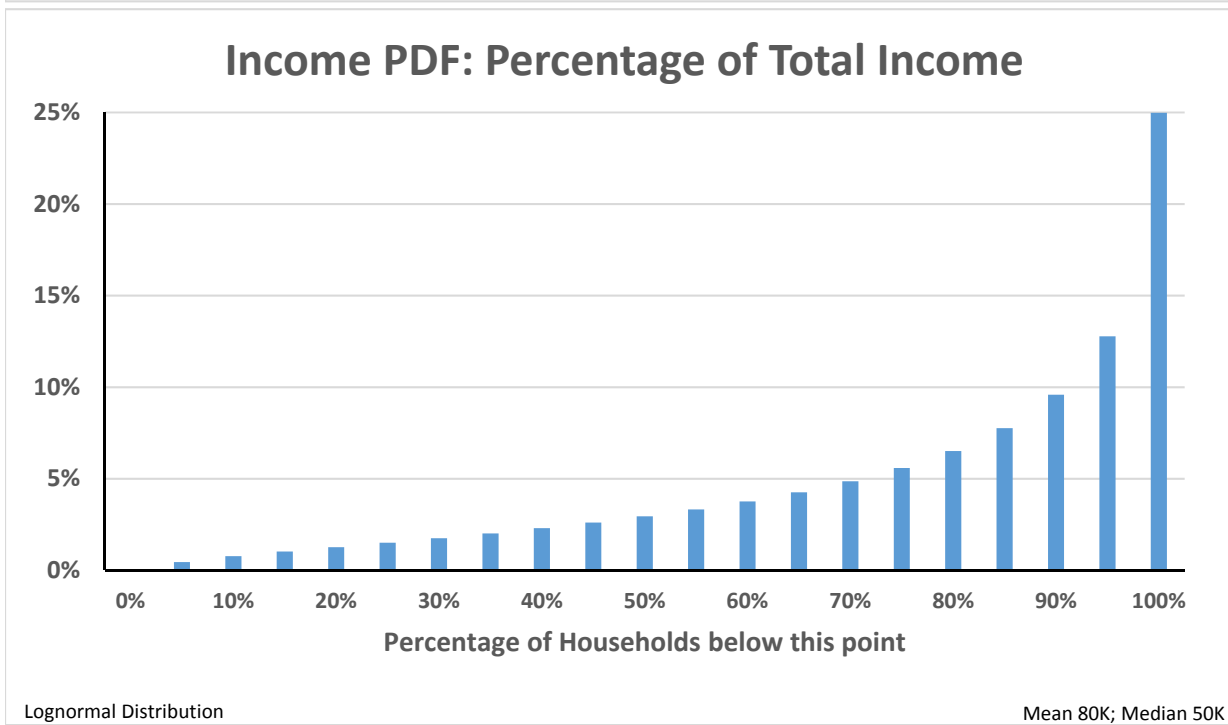
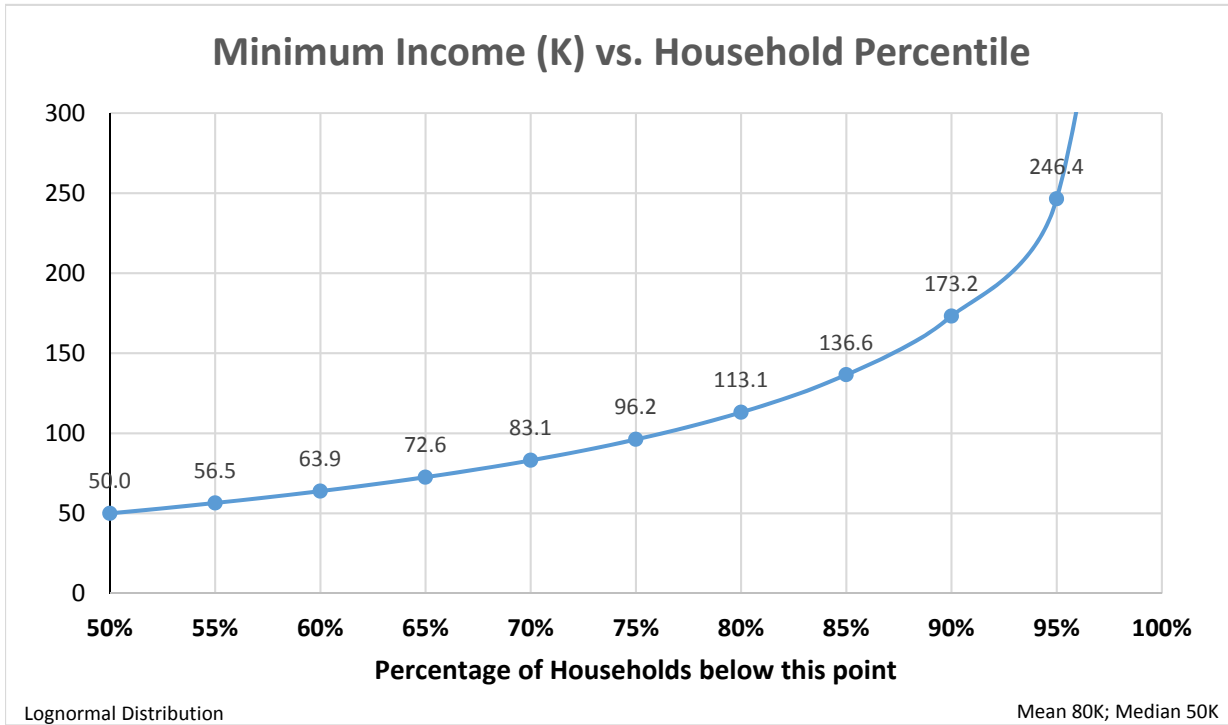
Distribution of Households

Distribution of Total Income

Median	50,000
Mean	80,000
Mode	19,531
Std.Dev	99,920

Median	128,000
Mean	204,800
Mode	50,000
Std.Dev	255,795

Gini Coefficient
0.507



A	B	C	D	E	F	G	H	I
CDF: "Cumulative Distribution Function"					PDF "Probability Distribution Function"			
STARTING FROM THE BOTTOM:								
CDF Pctg of Households	Exact Income	CDF Pctg of Income	Income Min / Mean	Income Mean	Rounded Income (K)	Income Difference	IncomePDF	
0	0.0	0.00%	0.00	80,000	0.0	-80,000		
5%	10,148	0.4%	0.13	80,000	10.1	-69,852	0.4%	
10%	14,433	1.2%	0.18	80,000	14.4	-65,567	0.8%	
15%	18,305	2.2%	0.23	80,000	18.3	-61,695	1.0%	
20%	22,110	3.5%	0.28	80,000	22.1	-57,890	1.3%	
25%	26,000	5.0%	0.32	80,000	26.0	-54,000	1.5%	
30%	30,072	6.8%	0.38	80,000	30.1	-49,928	1.8%	
35%	34,413	8.8%	0.43	80,000	34.4	-45,587	2.0%	
40%	39,111	11.1%	0.49	80,000	39.1	-40,889	2.3%	
45%	44,265	13.7%	0.55	80,000	44.3	-35,735	2.6%	
50%	50,000	16.6%	0.63	80,000	50.0	-30,000	2.9%	
55%	56,478	19.9%	0.71	80,000	56.5	-23,522	3.3%	
60%	63,921	23.7%	0.80	80,000	63.9	-16,079	3.8%	
65%	72,647	28.0%	0.91	80,000	72.6	-7,353	4.3%	
70%	83,134	32.8%	1.04	80,000	83.1	3,134	4.9%	
75%	96,156	38.4%	1.20	80,000	96.2	16,156	5.6%	
80%	113,070	44.9%	1.41	80,000	113.1	33,070	6.5%	
85%	136,577	52.7%	1.71	80,000	136.6	56,577	7.8%	
90%	173,216	62.2%	2.17	80,000	173.2	93,216	9.6%	
95%	246,355	75.0%	3.08	80,000	246.4	166,355	12.8%	
100%	611,648	100.0%	7.65	80,000	611.6	531,648	25.0%	
							100.0%	TOTAL

Interpretations:

C69 The bottom 50% of households have 16.6% of the total income.
 The bottom 50% of households have 33.2% of their equal share of total income.

68.6% Percentage of households having below-average income.
 31.4% Share of income by below-average income households.

31.4% Percentage of households having above-average incomes.
 68.6% Share of income by above-average income households.

"Excess Income": Income in Excess of the Mean (Equal-Share) Income
 37.2% Percentage of total income that is Excess Income.

31.4% Percentage of households that have above-average incomes
 68.6% Percentage of total income that is earned by above-average income households.

Q. If top 1% have 4.6 times their equal share,
 why isn't their minimum income (\$1.67 million) 4.6 times the mean income (\$80 thousand)?

A	B	C	D	E	F	G	H	
				Ratio: "Pctg of Top Income" / "Pctg of Top Households"				103
				Ratio				104
STARTING FROM THE TOP:								105
CDF Pctg of Households	Income	CDF Pctg of Income	CDF XS/TTL	Inc% /HH%				106
50%	50,000	83.4%	33.4%	1.67				107
45%	56,478	80.1%	35.1%	1.78				108
40%	63,921	76.3%	36.3%	1.91				109
35%	72,647	72.0%	37.0%	2.06				110
30%	83,134	67.2%	37.2%	2.24				111
25%	96,156	61.6%	36.6%	2.46				112
20%	113,070	55.1%	35.1%	2.75				113
15%	136,577	47.3%	32.3%	3.16				114
10%	173,216	37.8%	27.8%	3.78				115
5%	246,355	25.0%	20.0%	4.99				116
2%	366,213	13.9%	11.9%	6.96				117
1%	476,997	8.7%	7.7%	8.74				118
0.5%	607,524	5.4%	4.9%	10.82				119
0.2%	814,452	2.8%	2.6%	14.08				120
0.1%	1,000,371	1.7%	1.6%	16.97				121
0.05%	1,214,781	1.0%	1.0%	20.29				122
0.02%	1,547,313	0.5%	0.5%	25.38				123
0.01%	1,840,435	0.3%	0.3%	29.85				124
0.005%	2,173,527	0.2%	0.2%	34.89				125
0.002%	2,682,187	0.1%	0.1%	42.53				126
0.001%	3,124,420	0.0%	0.0%	49.15				127

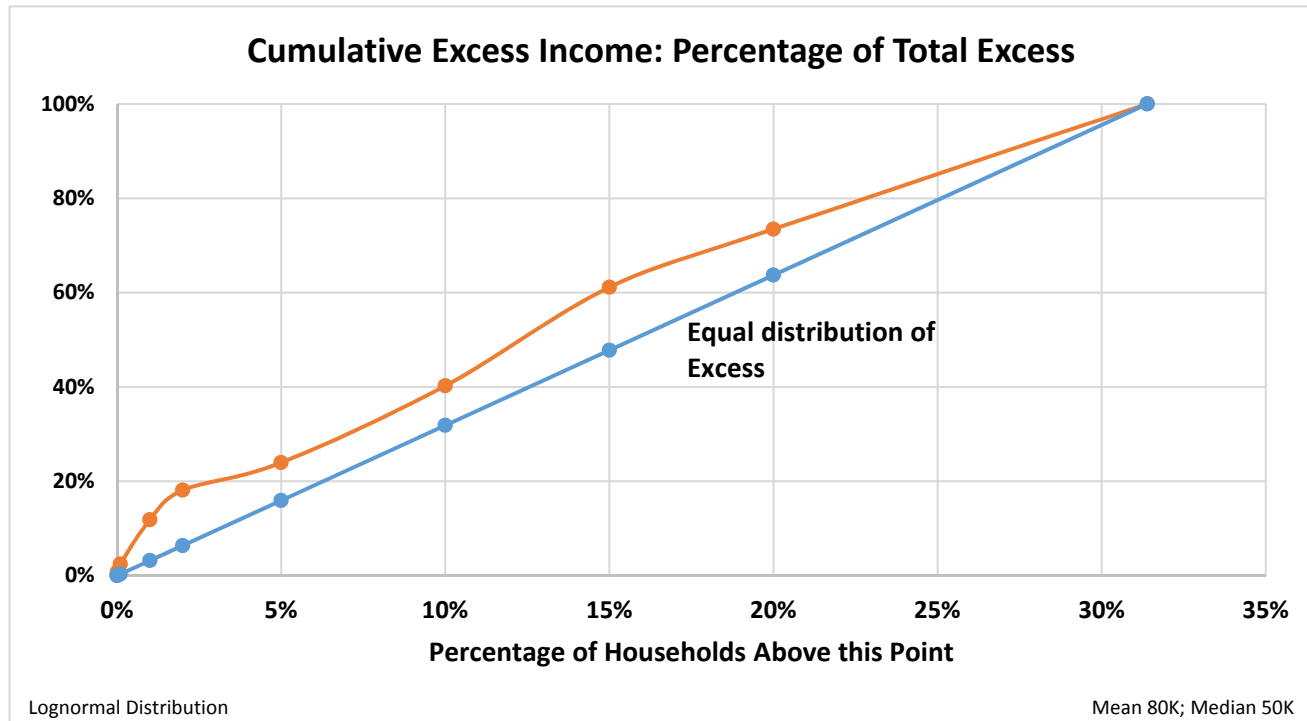
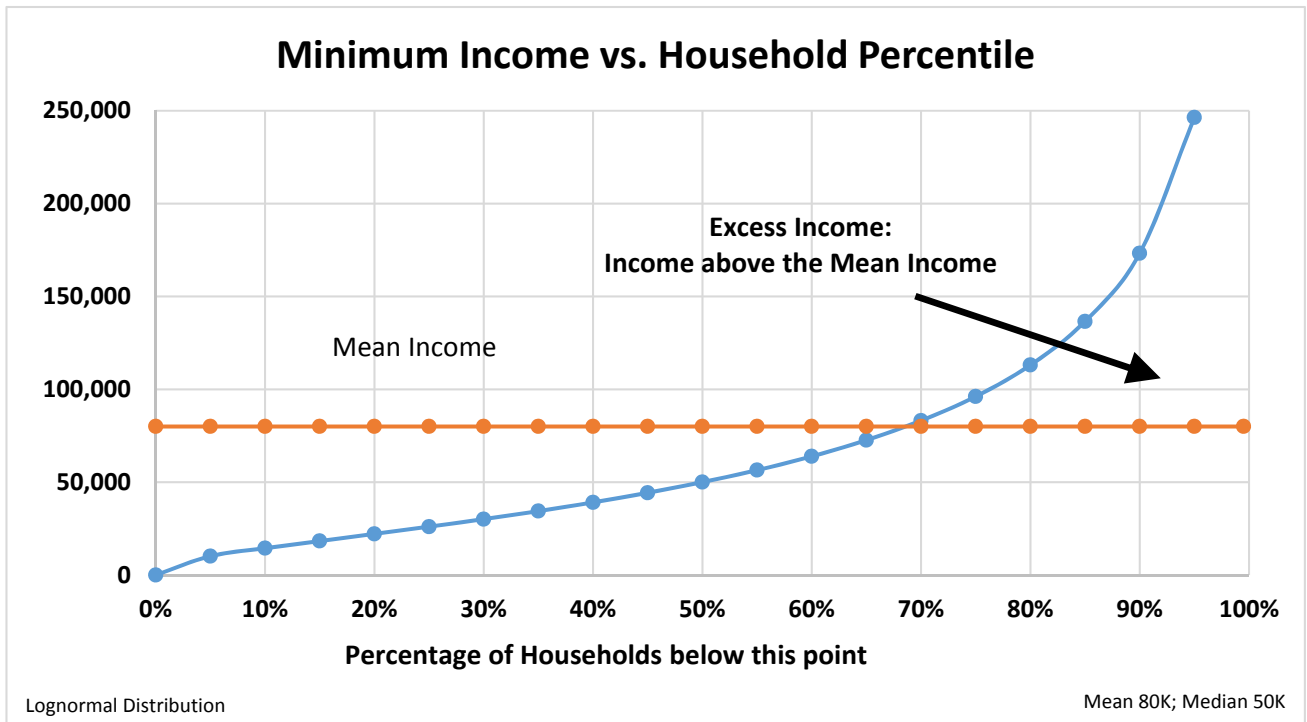
Interpretations:

- C119 The top 1% of households have 8.7% of the total income
- E119 The top 1% of households have 8.7 times their equal share of total income

CDF Top % HH	Min\$	CDF Pctg of XS	Eq-Dist
31.4%	80,000	100.0%	100.0%
20%	136,577	73.4%	63.7%
15%	173,216	61.1%	47.8%
10%	246,355	40.2%	31.9%
5%	366,213	24.0%	15.9%
2%	476,997	18.1%	6.4%
1%	607,524	11.9%	3.2%
0.1%	1,214,781	2.5%	0.3%
0.01%	1,840,435	0.78%	0.0%
0.001%	3,124,420	0.13%	0.0%

Interpretations:

- 5,726 XS Income earned by top 0.1% if per household with below-ave income
- 1,125 XS Income earned by top 1% if per household with below-ave income
- 29,773 Average Amount of XS Income per all Households
- 43,396 Average amount of XS Income per household with below-average income
- 94,842 Average amount of XS Income per household with above-average income



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