

## **Relation between Unemployment rate, Distribution of World Wealth and Human Conscience Growth. Brownian Motion Approach.**

We study the reasons of Unemployment rate growth, its relation to People skills (innovation ability) and distribution of World Wealth.

In earlier papers we showed that Collective Human Conscience obeys Brownian motion laws.

We derived the Law of Society Marasm growth over time.

Following Brownian motion law for diffusion distribution, we obtain the similar result for Collective Human Conscience.

The Diffusion coefficient in this case is innovation ability (let us call it skills in short, as one can see - this is not exactly the same as innovation skills).

It is known how Diffusion distribution changes over time.

Pic.1 schematically shows this law.

So, we can see the distribution of Human skills over time.

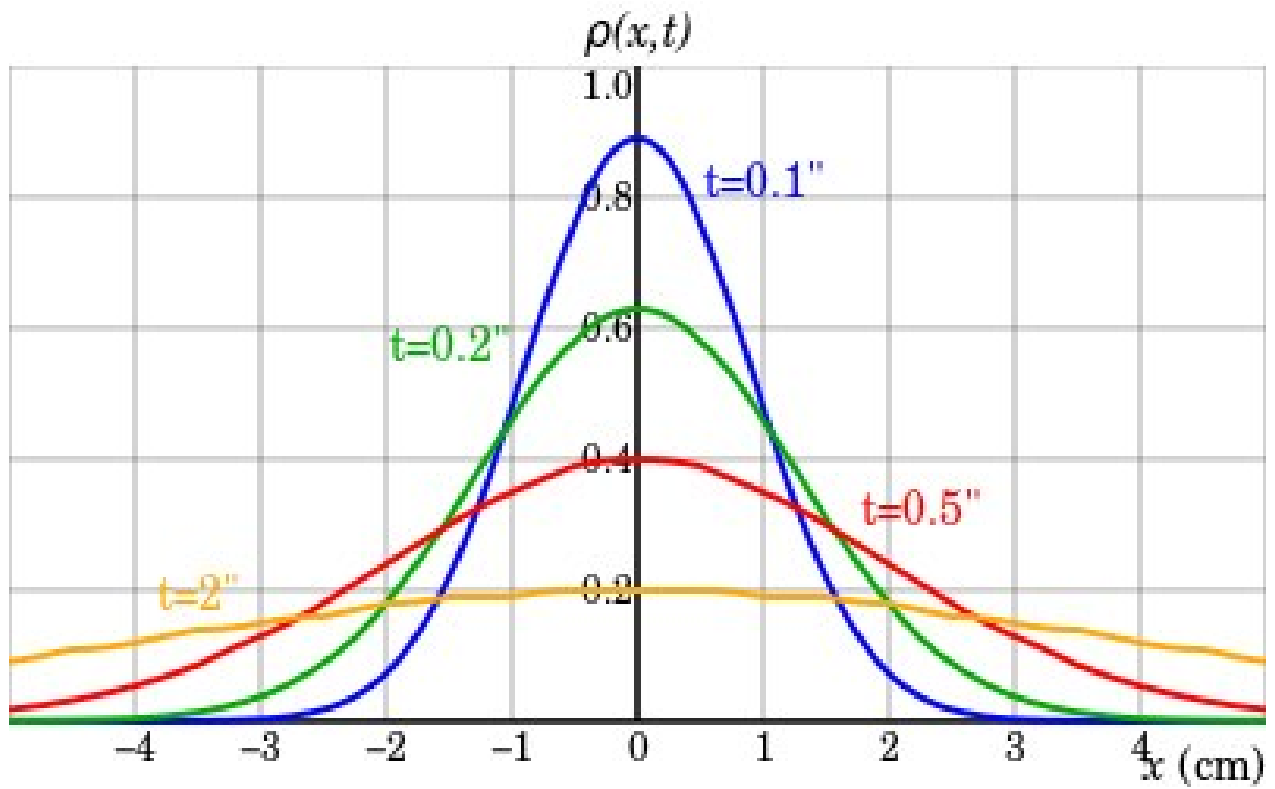
The distribution begins as a Dirac delta function, indicating that all the particles are located at the origin at time  $t=0$ , and for increasing times they become flatter and flatter until the distribution becomes uniform in the asymptotic time limit.

So, over time personal skills (thrive for innovations) become flat, it means they can not form any kind of innovative approach and therefore start own business.

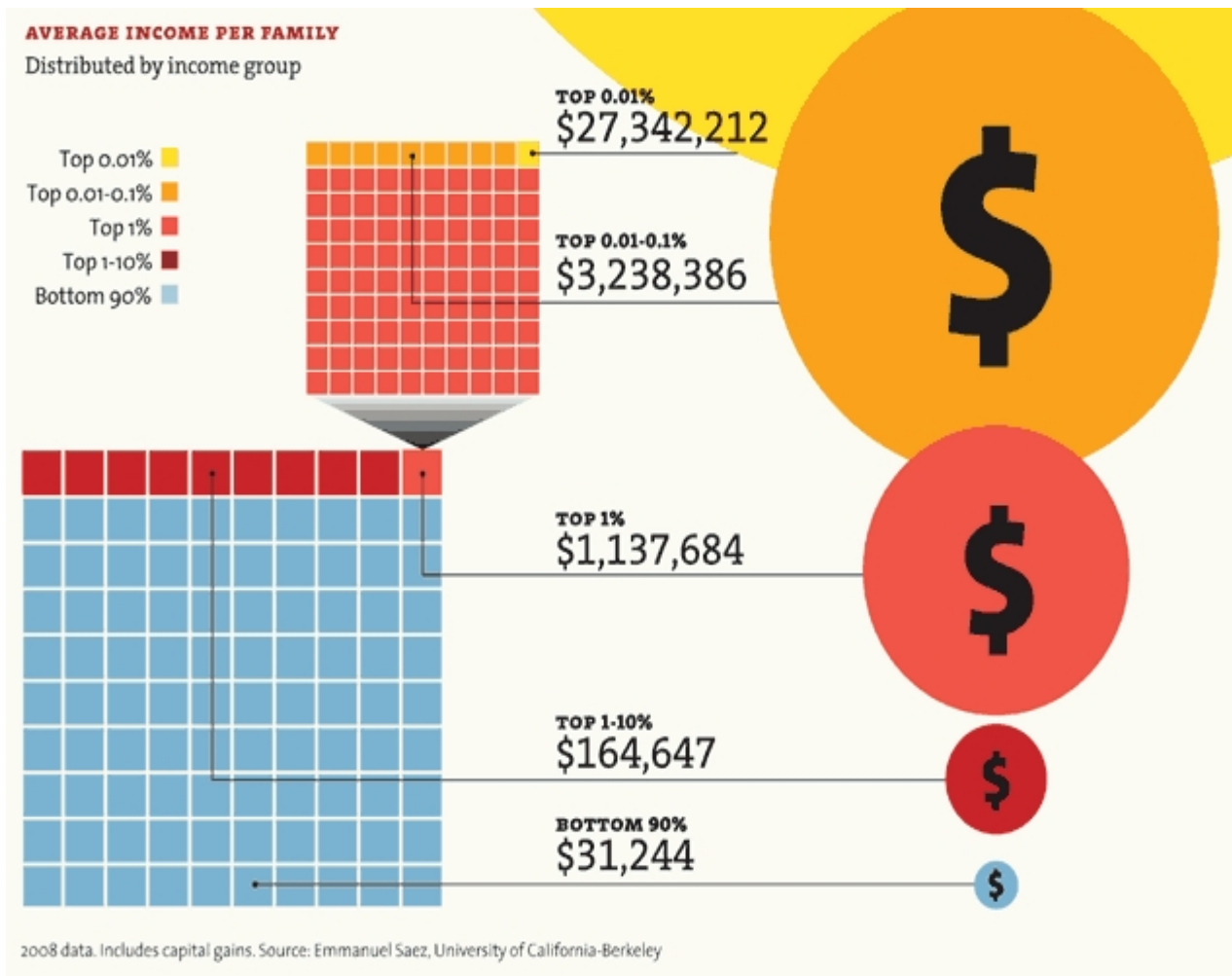
Hence there exists only few Persons who are able to do so.

They eventually employ others forming Mega corporations.

This was predicted by other Social theories and perfectly can be seen in modern world – Pic. 2.



Pic 1. Flattening of People innovation skills over time.



Pic. 2. Distribution of World Wealth.