

1 Migration as Separation of Human Community -Analysis and 2 Forecast

3 Dr. Boris Rozin

4 Received: 7 December 2011 Accepted: 3 January 2012 Published: 15 January 2012

5

6 **Abstract**

7 Throughout many years physical manifesta-tion (phenotype) and inheritable information
8 (genotype) are researched with different scientific methodologies in medicine, genetics, biology,
9 physiology, psychology, etc. The dependence of physical traits on genetic code of individual
10 can be established through various intensive mathematical models. This article explores one of
11 the models that hypothetically explains segregation of people based on their observable
12 psychological traits. Although, environment can influence behavioral traits, the predisposition
13 towards them controlled by fundamental genes, and thus might be inherited. The proposed
14 mathematical model consumm-atest that the process of human segregation leads to a break
15 down on non-active and active communities. As a result, more active community has a
16 tendency to develop much faster and dominate over non-active community. This result of this
17 hypothesis can help to determine and eliminate various risks of denomination, and develop
18 scientifically proven recommendations to improve immigration politic.

19

20 *Index terms—*

21 **1 Introduction**

22 As a result of a unique character of individual, its inherited endowments and observable traits are researched
23 throughout the years in different disciplines. Numerous scientific approaches developed various theories and
24 hypothesis about individual's abilities to inherit certain qualities and pass them into posterity, or adopt
25 traits influenced by environmental factors. Needless to say, fundamental genes control numerous individual's
26 characteristics and make up the genotype, while phenotype is an obvious observable trait. The phenotype results
27 from collaboration between numerous genetic capabilities and the expressions of individual's genes, while also
28 controlled by environmental influence. Its physical manifestation and inheritable information can be expressed
29 within two categories -physiological (physical qualities of individual) and psychological (mental type of individual).
30 In analyzing the psychological category of individual's phenotype, a number of traits come to mind -namely,
31 level of IQ, behavior, temperament, etc. However, taken into an account that these traits are observable and
32 originate from genes that control individual's capabilities, we can assume psychological traits are implemented
33 into individual's genetic code.

34 The focus of this article is to mathematically examine genotypic influence on observable psychological traits
35 of an individual. Traits such as level of IQ, behavior and temperament can be integrated into one mathematical
36 parameter -Activity. Activity is assumed to be a firm desire of an individual to progress (make better) his social
37 status, to put significant effort for achieving goals, to get prepared for migration, risks, innovation and leadership.

38 Every individual possesses relatively different levels of Activity that can be expressed quantitatively.

39 The relative level of Activity of every individual has incidental value. The statistical distribution of this
40 incidental value, like most natural processes, has the normal (or Gaussian) distribution that has a bell-shaped
41 probability density function (Picture 1).

42 The probability that the Activity level of a newly born child will be close to the Activity level of the parents
43 is relatively high, compared to the probability of deviation from the Activity level of the parents in descendants.
44 Picture 1 represents a colloquial function of normal distribution of probability, with the Activity level on the
45 horizontal axis and the probability of a born child with the corresponding Activity level on the vertical axis.

46 The probability density distribution of relative activity for a sufficient big group of randomly chosen individuals
47 also has the normal distribution. On a horizontal axis, as before, it's the activity level, and on a vertical axis the
48 relative quantity of individuals with the given degree of activity.

49 2 II.

50 Differentiation by the Activity Level

51 As an example, let us consider a rural community mired in a resource crisis. For example, climate change
52 has decreased edible resources. One possible solution for rural communities is migration. However, the entire
53 community can't migrate. From the entire community, only a group that is ready for risks would migrate. As it
54 was mentioned above, the readiness to risk and migration is the vivid activity sign, thus, the migrating part of
55 community would have a high Activity level.

56 Migration as Separation of Human Community -Analysis and Forecast

57 3 Picture 2a

58 Picture 2b

59 In Picture 2a, the blue line represents the statistical distribution of activity of the entire community before
60 division, and the red line the part of the community that decided to migrate. In Picture 2b, the green line
61 represents the distribution of the activity level of part of the community that remained. So above all, the genotypic
62 factor and its transference according to inheritance become important while determining the activity level. Thus,
63 the different distributions of activity level for the two community groups (in fact, two new communities) will be
64 transferred to future generations. Therefore, we can say that migrants bring with them "The Gene of Activity".

65 This micro-model of the distribution of communities is the basis for this hypothesis.

66 The migration processes are the main factor which derives to the nonuniform distribution of the individuals
67 with the high Activity among the whole human population.

68 4 III. Babylonian Captivity

69 The first reference about segregation of the elite and the remaining population can be found in the Bible (in the
70 second book of Kingdom). Babylonian king Nebuchadnezzar, after occupying Jerusalem and destroying the First
71 Temple, deported the Jewish elite to Babylon and sent off all dwellers of Jerusalem, all grandes, all powerful
72 warriors, tens of thousands of refugees, cultural masters, Border Protectionists (Priests), everyone, except for the
73 poor/deprived. "He carried into exile all Jerusalem: all the officers and fighting men, and all the craftsmen and
74 artisans. Only the poorest people of the land were left" (2 Kings 24:14). A total of about 20 thousand people
75 were kicked-off. According to various sources, the population of Jews then consisted of 0.5 to 1 million people,
76 of which about 2-4% were refugees.

77 The Bible continues to say that further development of these communities turned out to be diametrically
78 opposed. The Babylonian community could have occupied an important/worthy place in the political and trade
79 life of the Babylonian Kingdom and established one of the greatest models of Jewish religious ideas, the Babylonian
80 Talmud. After 70 years, the Jews returned from the Babylonian Tribe (Ezra 2:1, Nehemiah 7:8-63), and saw that
81 the remained Jewish population practically lost all its national and religious identity.

82 Thus, the removal of the 'best population'-even less than 5% from its total population brought about
83 catastrophic consequences.

84 5 Global Journal of Human Social Science

85 Volume XII Issue W XIV Version I(D D D D)

86 IV. Great Migrations and the Formation of Active Nations

87 The appearance of the active nations can be explained by the nonuniform distribution of the people with the
88 high Activity. Interesting to point that many great countries formed on peninsulas such as ancient Greece, Roman
89 Empire, The Spanish Kingdom. It can be explained by the convenient transport location as well as emigrants
90 did not have choice to move farther.

91 There are several evidences that prove that migrants are carriers of "the Activity gene." Some examples include
92 :

93 The Great Migration of peoples : From northern India and Asia to central Europe, this brought about very
94 active migrators and formed the European nations.

95 Europe became as a "big peninsula" for these people.

96 Tatar-Mongolian Invasion : The Mongolian and North China migrators, who occupied Eastern Europe and
97 mixed with Slavs, established the Russian nation. The population that remained in Central Mongolia now
98 happens to have a hypertrophied low level of activity.

99 Anglo-Saxon Nation : The British Isles many times proved to be a nation of conquest. The conquerors were
100 settling and assimilating so that Britain succeeded to gather active genotype from across the North Europe. This
101 genotypic activity of the Anglo-Saxons brought about in establishing the Britain Empire.

102 6 V. thoughtful experiment

103 Let's collect half of the active population belonging to any territory and move them to another territory possessing
104 similar natural resources, but not having a native population. The new population will create a society which has
105 been not burdened with an aristocracy. During the first generation, the land will be distributed by self-capture.
106 The second and third generation will self-organize in the new state and will build a more dynamic socio-political
107 system than one with an ancestral base. In the following generations, owing to raised genotypic activity, the new
108 state will expand its influence into nearby and far territories, through military and economic forms.

109 Isn't it very similar to the history of the United States that without American Revolution, Civil War, and
110 destruction of indigenous population of the North America? Americans like to speak about themselves as a
111 nation of immigrants, with a high genotypic activity level. Regardless of the stimulus for voluntary migration,
112 be it economic, religious or safety-based, only the part of the population with the high activity level would take
113 the risk. Only those with a high activity level emigrate, those without it remain in the homeland and reconcile to
114 oppressions and the absence of the prospect for selfrealization. Hence, this de facto emigration and immigration
115 allow for the segregation of human population under the factor of genotypic activity levelstrong (active) leave,
116 weak (passive) remain.

117 7 VI. Immigrant Countries

118 The territories in which more than 40% of the population consists of descendants of immigrants over the last
119 400 years can be considered as immigrant countries. This includes many former British colonies: the U.S.,
120 Canada, Australia, and New Zealand. The USA will be considered in detail in this article, and Canada not only
121 territorially adjoins the USA, but also forms a uniform territory with the USA within the limits of the given
122 hypothesis. In both countries, the population consists of descendants of protest immigrants from Europe where
123 similar policies were carried out in relation to the natives and to the peoples from Africa who were enslaved.
124 Although this immigrant country status is somewhat weakened by generations of descendants from the original
125 immigrants, it doesn't prevent Australia from being the regional leader. While New Zealand carries out an active
126 immigration policy, it does not have the critical weight of immigrants to be nominated among world leaders in
127 the field.

128 On the other hand, immigrant countries such as Mexico, the Southern and Central Americas (the former
129 colonies of Spain and Portugal) had similar immigration patterns to the U.S., but the evolution of the blended
130 society was much different. The difference is that immigration to South America wasn't on a mass scale and
131 was not violent. The Latin American immigrants didn't resist the indigenous population -they actively mixed
132 up with it. As a result, the genotypic high activity level advantage has been dissolved in indigenous genotype.

133 It is also possible to include the Republic of South Africa in the group of immigrant countries. Unfortunately,
134 the white minority of the Republic of South Africa wouldn't cross through prejudices and give the majority a
135 way of self-realization. The future of this country depends on what the African majority will do to construct a
136 society of equal competition.

137 The last and the youngest immigrant country is Israel. Jews and the Jewish state deserve a more detailed
138 analysis.

139 8 VII. Jews -the Nation of Hereditary Immigrants

140 It is known that the European Jews have a genotypic anomaly ;V their average IQ level is approximately 15%
141 above that of a Central European's. The uneasy mutual relations between Jews and the Christians among who
142 the Jews lived generated this trait.

143 In Europe, Jews were perceived as competitors in trade and crafts. The persecution of Jews did not stop until
144 the mid-20th century namely because of economic As is known, the basis of the Jewish nation is not the territory,
145 but the religion. By centuries-old tradition, all Jewish boys are obliged to study the Five Books of Moses, known
146 as the Torah. Those without high genotypic activity levels have not studied the Torah as much, have become less
147 religious and therefore have assimilated more. The genotypic activity level in the European Jewry has therefore
148 become suppressed. Meanwhile, the modern state of Israel has demonstrated its huge genotypic potential by
149 being in several wars in which it has surpassed its numerically larger opponents.

150 9 Global

151 10 VIII. The Invitation to Immigration

152 Other than the immigrant countries which are traditionally open for immigration, some countries have invited
153 immigrants in large quantities. The most known invitations :

154 ? Poland in the 13th and 14th centuries invited and gave protection to Jewish communities, ? The First
155 Russian emperor, Peter the Great, actively involved foreigners such as the Germans and the Dutch for army and
156 navy fleet construction, ? The Russian Empress Catherine II involved not only the European nobility in Russian
157 government, but also entire communities from Germany.

158 In the 20-30 years after these immigration waves, these countries showed considerable economic growth. Peter
159 the Great had created the Russian Empire, and Catherine II of Russia had become a highly recognized European
160 leader. In addition, by the 15th century, Poland was one of the largest and most powerful states in Europe.

161 11 IX. World Leadership and the Usa

162 The U.S. is the world leader because it possesses a population with the highest genotypic activity level in the
163 Earth. Therefore, statements about a rapid decline or loss of leadership by the U.S. have no real truth. World
164 crises don't bear a direct threat on the U.S., though they are painful enough. As was shown during the last crisis
165 2008 -2010, the relative falling of a standard of living in the majority of other countries was worse than what
166 was experienced by the U.S. Constant inflow of the Active people from all over the globe is necessary for the
167 maintenance of a stable high rate of development. This inflow can be so called as a "pumping out" the Active
168 people. While the "pumping out" is working from across the World, the U.S. will be dominating.

169 12 X. "Pomp" Adjustment on Pumping

170 Out the Active People and Federal Government's Role on Immigration

171 The immigration policy of the U.S. should be more pragmatic. Residual elites from every corner of the globe
172 should be the target group.

173 As mentioned above, the high rate of development and leadership directly depends on the average genotypic
174 activity level of the population. Therefore, the system of attraction of the active population from every corner
175 of the globe is an important strategic function of the government. As a first generation immigrant, I recognize
176 that the system works well, but it could perform more effectively.

177 The current ways of immigration to the U.S. are as follows :

178 1. The refugee program : Settlement in the USA under the refugee program from the underdeveloped countries
179 possibly has political value; however, it is necessary to mention that strategically the U.S. often receives the
180 genotypic ballast. There were some exceptions like the immigrations of Jews from the USSR in 1975-2000. In
181 reality, it was immigration of the Jewish residual elite. This elite became 2. Professional immigration : Canada
182 has exemplified this over the last 20 years. This program has helped nominate Canada as leaders in fields from IT
183 to technologies and has given an impulse of development to the entire economy. However, half of the beneficiaries
184 from this program already live and work in the USA. Liberalization and expansion of the program of professional
185 immigration will create an inflow of active populations from around the globe.

186 3. Green Card Lottery : It's an extremely successful program but needs a correction. For today, quotas in
187 the Green Card Lottery are proportional to the country's population. However, the various countries do not
188 have identical genotypic activity levels; therefore, it is necessary to bring into consideration a correcting factor in
189 creating quotas. It is essential to factor in what the labor consumption of the population of a given country is;
190 therefore, in the first stage, it is possible to apply a factor of education of the population. residual as the result
191 of the state antithe USSR.

192 13 Semitism in

193 4. Illegal immigration : The overwhelming majority of illegal immigrants arrive in the U.S. from Latin America
194 and Mexico. As it was written above, the Spanish-speaking nations possess lower average genotypic activity
195 levels in their populations. The reason why a huge presence of natives of Latin America are in the labor market
196 of the U.S. is not

197 14 Global Journal of Human Social Science

198 Volume XII Issue W XIV Version I(D D D D) A 2 4

199 Year because of their genotypic activity level but rather their territorial affinity to the U.S., a low standard of
200 living, and a permanent surplus of hardworking population in their native countries. Because of low genotypic
201 activity levels, the second generation of immigrants from Latin America born in the U.S. cannot compete on
202 equal terms in the labor market, creating a big social pressure.

203 Professional immigration, together with a student and scientific exchange, are the best ways of attracting
204 active population of any given country. The system of working visas should be more pragmatic. Working visas
205 should be held for a longer fixed period without the obligation of granting a Green Card. Green Cards should
206 be given to only those having a successful business or four-year college degree. Illegal immigration can be forced
207 out by the system of giving out working visas for a fixed period without granting a Green card. It is necessary
208 to be ready for the new wave of immigration of the indigenous population of Europe related to the deepening
209 economic and interfaith enmity crises in continental Europe.

210 15 XI. Afro-american Community of the Usa

211 Ancestors of many Americans weren't voluntary immigrants. The African American community was not built
212 on voluntary immigration, and many of those brought over involuntarily as slaves would not have possessed
213 high genotypic activity levels. I again emphasize that no particular race possesses any genotype advantages. If

214 Africans would have started to occupy North America first and imported Europeans as slaves, the majority of
215 US presidents and the top ten richest people on the Forbes list would be descendants of Africans. However,
216 the history does not take into account what could have been, so American society and the American state bear
217 responsibility for 200 years of slavery. However, it is necessary to take into consideration that the protectionist
218 policy on a labor market yields huge losses to the economy and social development. The monetization of benefits
219 and privileges given to descendants of slaves would considerably help recover the economy and government of the
220 USA.

221 On a side note, the current US president, Barrack H. Obama, is on one hand the descendant of the African
222 aristocracy, and on the other of European immigrants. His father obviously was a person with a high genotypic
223 activity level. Therefore Obama's positioning as a member of the African American community is incorrect -his
224 ancestors were never slaves. Obama, the descendant of free immigrants, may have made use of privileges offered
225 to African Americans due to his skin color when in fact he has no relation to them. The reasoning behind
226 this discussion is that it is sometimes interesting to observe as immigrants from Africa in the first and second
227 generations use privileges for the African Americans though their ancestors never were slaves.

228 **16 XII. The Short-Term Forecast of World Leadership**

229 It is not necessary to build a complicated mathematical model to forecast the economic development and the
230 world leadership for the next 50 years. It is enough to put on a map of the immigration streams for the last
231 several decades. The population with high genotypic activity levels determines this development through their
232 migrations.

233 In the given context of research, the short-term period is 2-3 human generations or 40-60 years. During the
234 next 50 years, world leadership of the USA does not have any obvious external threats. No state or territory can
235 currently offer more to the Active immigrants than the US.

236 **17 XIII. Intermediate Term Forecast of World Leadership**

237 The intermediate term period is from 3 to 10 human generations or 50 -200 years. In the intermediate term, the
238 creation of a new immigrant state for the population with high genotypic activity levels is possible. Territories
239 suitable to mass settling on the Earth could be Siberia, Tibet, Sahara, deserts of Australia and Antarctica. Given
240 the level of development of current technology, there would be high probability of mass migration to Siberia. The
241 main contenders for settling in Siberia are the Chinese ethnic groups.

242 As the result of the disintegration of the USSR, the immigration policy of Russia became more liberal, and
243 there are weakened economic conditions in Moscow and territories behind the Ural Mountains. Chinese migration
244 to Siberia has not reached mass proportions yet, but the Chinese communities have become a common trend in
245 the cities of Siberia. The probability of global political crisis and disintegration of the Russian Federation remain
246 high. Upon receiving independence, Siberia and the Russian Far East would fall under the influence of China
247 and would completely open doors to the Chinese immigration stream. The Active Chinese people, having left
248 in their homeland's communistic ideology and the clan structure, and having considerable experience in modern
249 finance and information technology, would construct a supercompetitive state within a short period of time. The
250 proverbial Chinese dragon would wake up not in China, but in Siberia. This Chinese state of Siberia would be
251 the strongest competitor against the US. Therefore, though it sounds paradoxical, maintaining the integrity of
252 Russia should be a major strategic direction for the US. Undoubtedly, a time will come when humankind will
253 start to occupy space; there will be colonies on neighboring and faraway planets. The future space migrants
254 will be people with high genotype levels of activity. Therefore, extraterrestrial settlements would develop very
255 dynamically.

256 **18 Global**

257 After resettlement of 10-15 % of the population, the Earth would rather quickly lose the status of space mother
258 country. Many fantasy writers have intuitively guessed this tendency, especially Isaac Asimov.

259 **19 XV. Acknowledgement**

260 1 2 3 4 5 6

¹© 2012 Global Journals Inc. (US) 20

²Year

³© 2012 Global Journals Inc. (US)

⁴© 2012 Global Journals Inc. (US)

⁵© 2012 Global Journals Inc. (US) 20 2012

⁶Year



Figure 1:

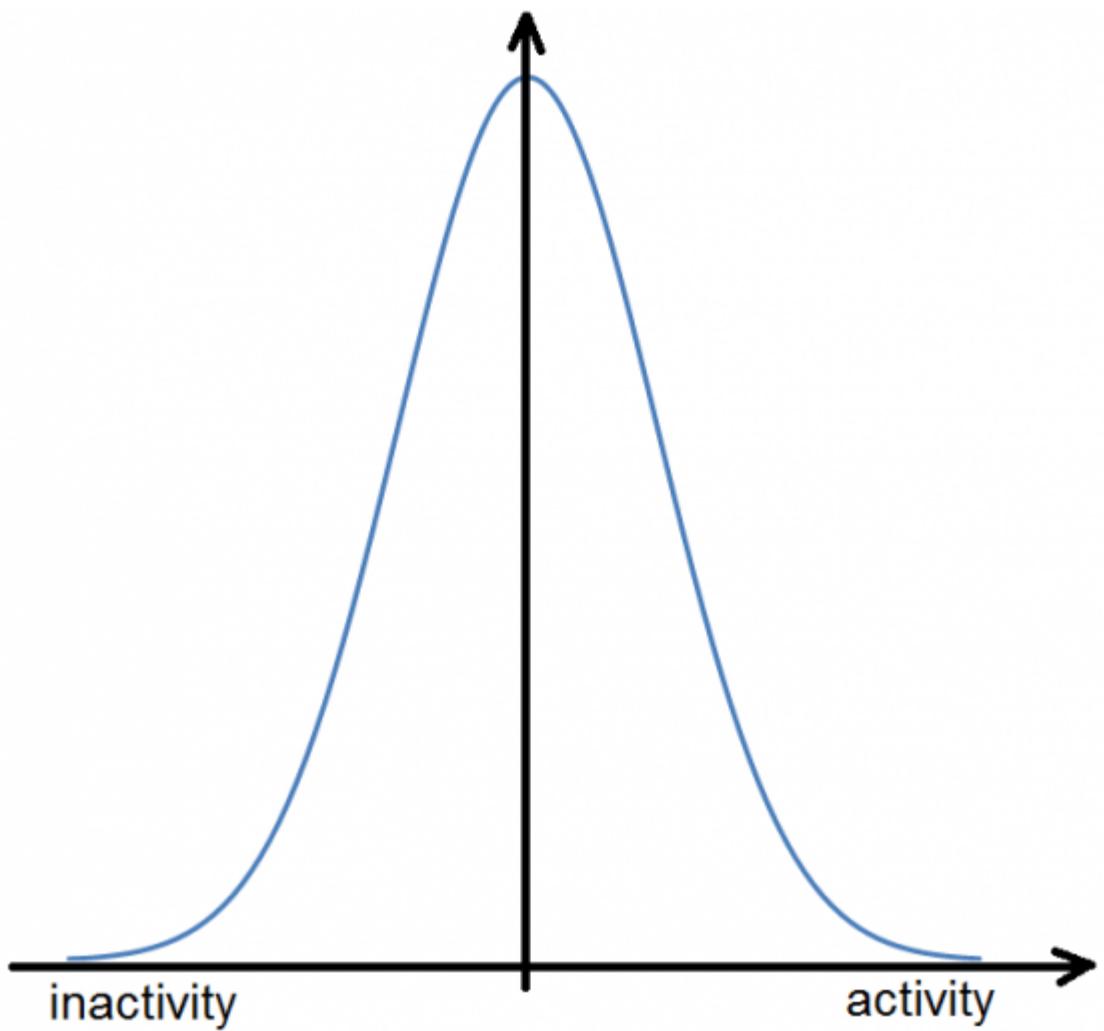


Figure 2:

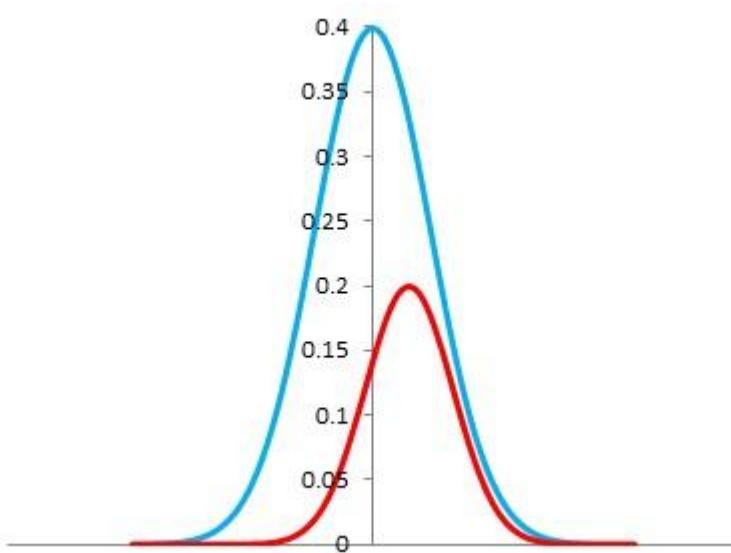


Figure 3: I

