

Genetic Engineering



June 10, 1997

Clinton Seeks to Ban Human Cloning but Not All Experiments

WASHINGTON, June 9— President Clinton said today that he wanted to ban the cloning of human beings but allow some cloning research while Americans debate the moral implications.

The President proposed legislation that would ban cloning "for the purposes of creating a child." It would direct the National





JR: INNOV IN AGRI

It's a Girl! And That Shouldn't Come as a Surprise.



Beef-cattle ranchers are breeding for heifers to restore their herds. *BLOOMBERG NEWS*

By **MARSHALL ECKBLAD**

October 15, 2012

Shulman & Bostrom (2014) Embryo Selection for Cognitive Enhancement: Curiosity or Game-changer?

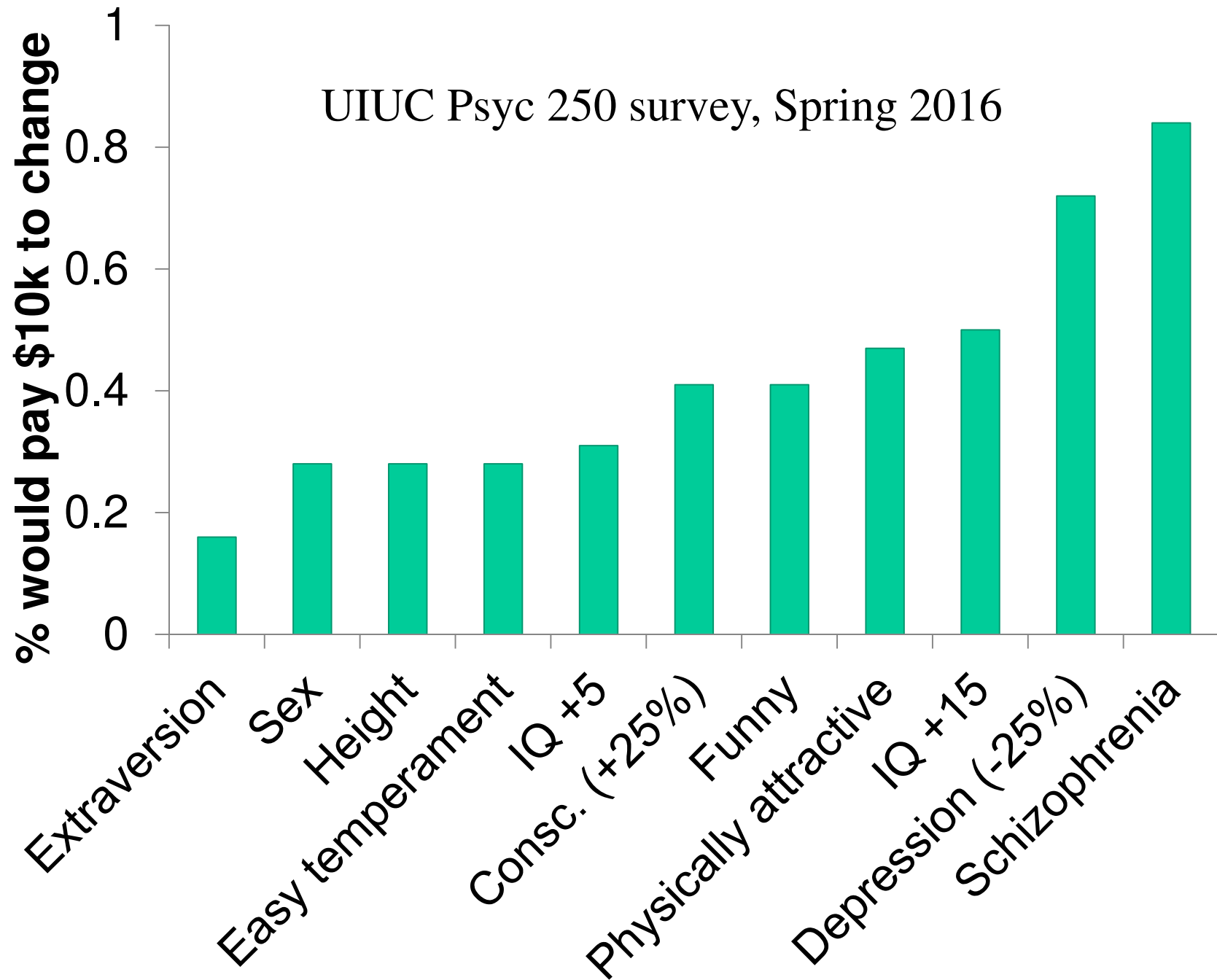
Table 2. US IVF and embryo selection attitudes

	Approve/Yes	Disapprove/No	Do not know
Personally use IVF for infertility? (Harris, 1969)	18 per cent	76 per cent	6 per cent
Approve IVF for disease/disability? (Harris, 1969)	35 per cent	55 per cent	10 per cent
Personally use IVF for infertility? (1978 Gallup survey post Louise Brown (Mason, 2003))	53 per cent	35 per cent	11 per cent
Approve embryo selection to avert fatal childhood disease? (Kalfoglou et al., 2004)	68 per cent		
Approve embryo selection for adult-onset cancer? (Kalfoglou et al., 2004)	58 per cent		
Approve embryo selection for strength or intelligence? (Kalfoglou et al., 2004)	28 per cent		

Table 1. How the maximum amount of IQ gain (assuming a Gaussian distribution of predicted IQs among the embryos with a standard deviation of 7.5 points³) might depend on the number of embryos used in selection

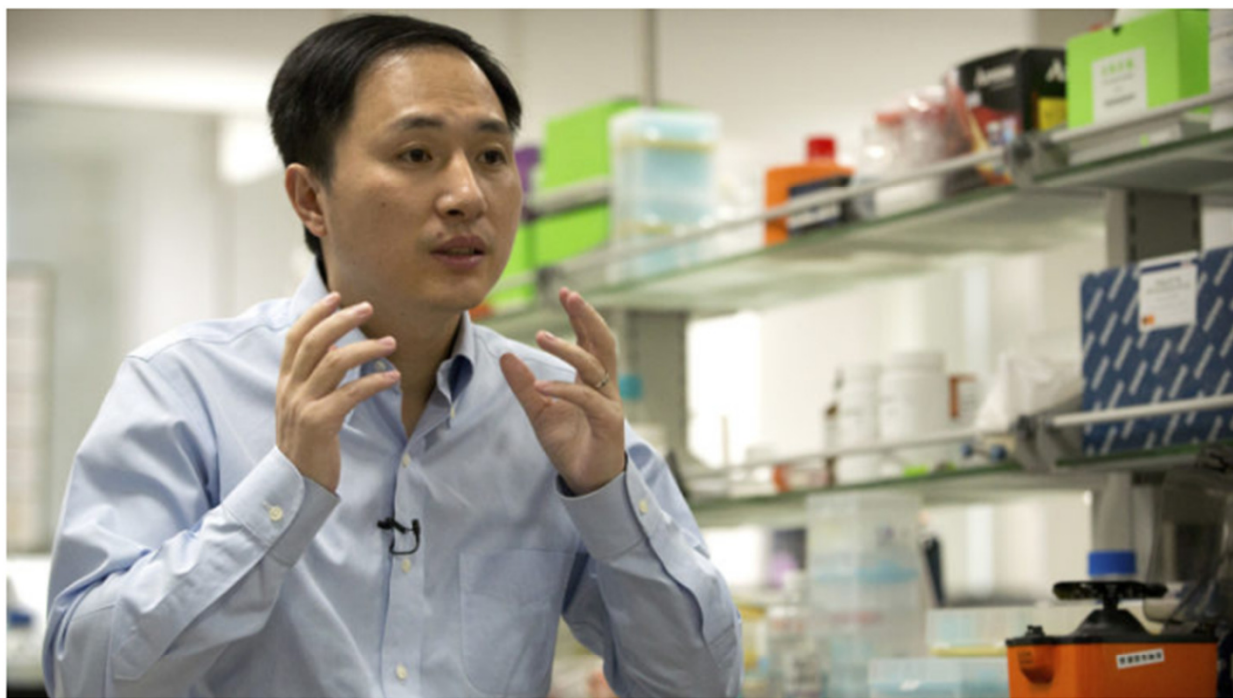
Selection	IQ points gained
1 in 2	4.2
1 in 10	11.5
1 in 100	18.8
1 in 1000	24.3
5 generations of 1-in-10	< 65 [b/c diminishing returns]
10 generations of 1-in-10	< 130 [b/c diminishing returns]
Cumulative limits (additive variants optimized for cognition)	100 + (< 300 [b/c diminishing returns])





Chinese researcher claims birth of first gene-edited babies — twin girls

By ASSOCIATED PRESS / NOVEMBER 25, 2018



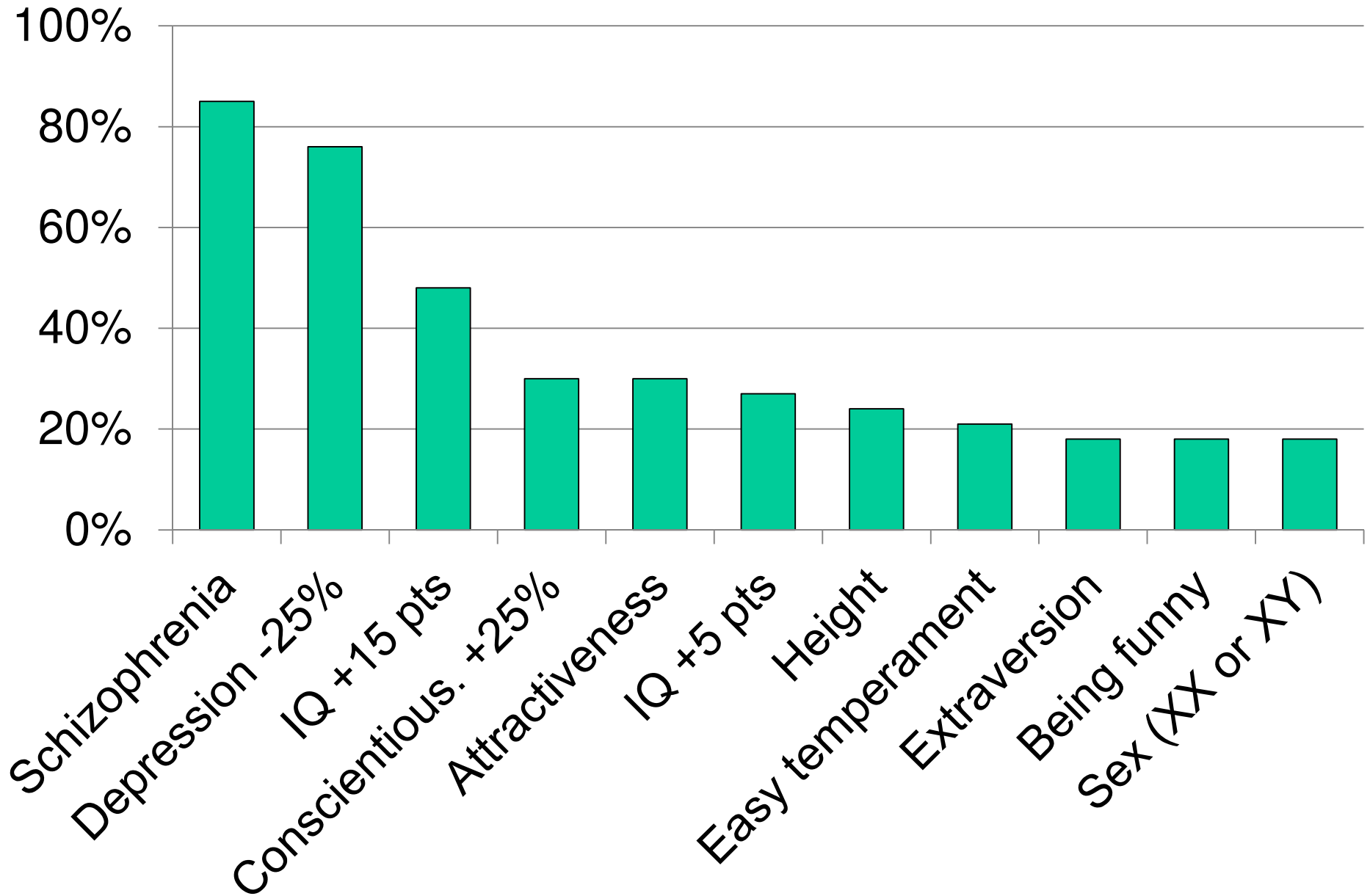
Chinese scientist He Jiankui claims he helped make world's first genetically edited babies: twin girls whose DNA he said he altered.

MARK SCHIEFELBEIN/AP



HONG KONG — A [Chinese researcher claims](#) that he helped make the world's first genetically edited babies — twin girls born this month whose DNA he said he altered with a powerful new tool capable of rewriting the

% (Fall 2019) would pay \$10k
to edit offspring genes for...

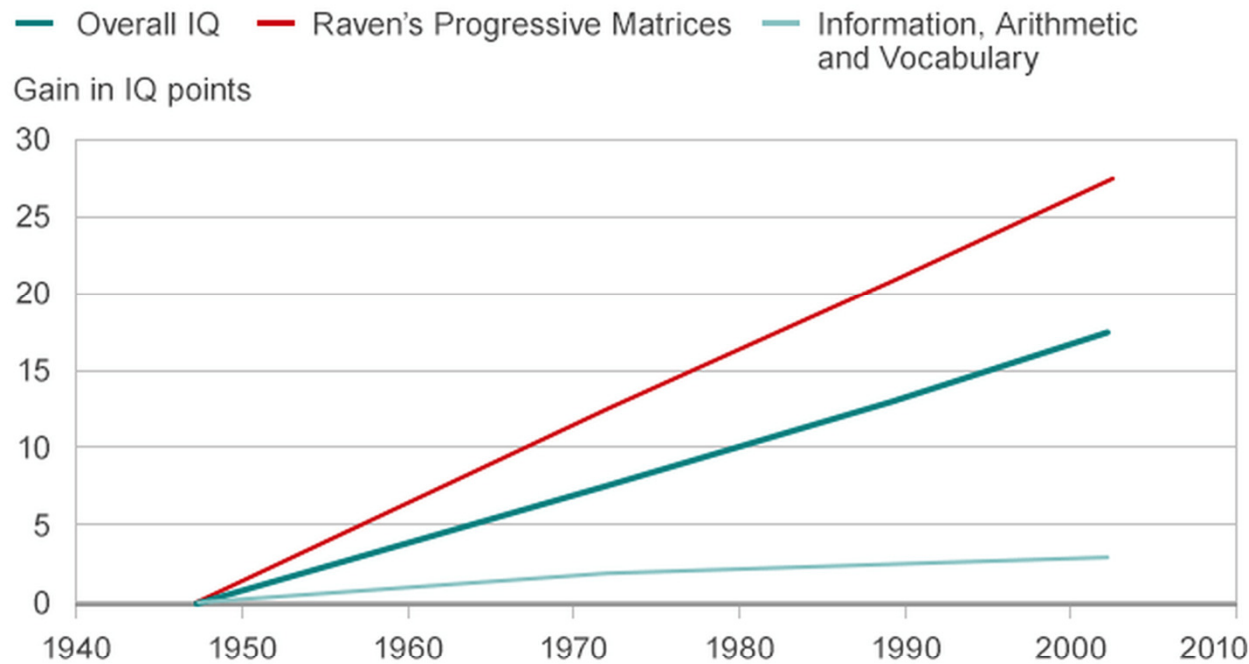


1 March 2015 Last updated at 19:03 ET

Are humans getting cleverer?

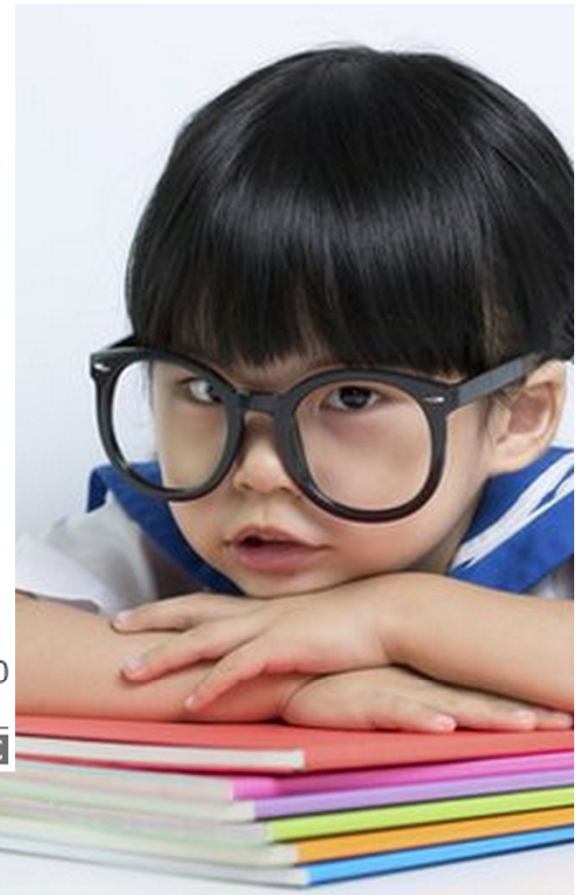
By William Kremer
BBC World Service

Gains in US IQ



Source: James R Flynn, What is Intelligence? Beyond the Flynn Effect, 2007

BBC



IQ is rising in many parts of the world. What's behind the change and does it really mean people are cleverer than their grandparents?