Intelligence
- Genetic potential for learning and reasoning; established at birth.
- The entire area of knowledge and skills a person has.

Galton - Cousin of Charles Darwin.
- Upset with individual differences.
- The larger the head the more intelligent you are.

Binet - French
- Hired by the French government.
- First to do the intelligence test.
- He came up with thousands of questions and then asked children if they could answer them.
  - The very first was developed is Standford Binet intelligence test.

Intelligence quotient - I.Q
$I.Q = ma / ca \times 100$
ma = mental age   ca = chronoligical age.
ma - How can this age group answer?
ca - How old are you according to your birth?

| 140 + - 1% of population | 90 - 109 = 46% | 80 - 89 = 15% |
| 120 - 139 = 11% | 110 - 119 = 18% | 79 = 9% |

Self-Fullfilling prophecies (Rosenthal)
- Went to grade school with a bogus test to get fake scores.
- Gave fake scores. 20% gave label.
- Came back at the end of the year, gave real tests to the one's with labels. Really did have better scores.

Wechsler - IQ test that is used more Frequently.

WAIS - Wechsler Adult Intelligence Scale
Object Assembly + Picture Arrangement + Black Design + Word Problems + Digits Backwords.

Age and IQ
As you grow older do you lose your IQ?

Cross-Sectional Research - When data is collected simultanously From people of different ages.
Cohort - age group.
1 Problem!
① Different Cohorts have different backgrounds.

Longitudal Research - When you test a group of people in their life span several times.
1 Problem!
Mortality Effect - fewer people can be tested over time.

Hereditary v.s Environment - Can be increased over time.

Identical twins do have more similar I.Q's than fraternal whether they are raised apart or together.