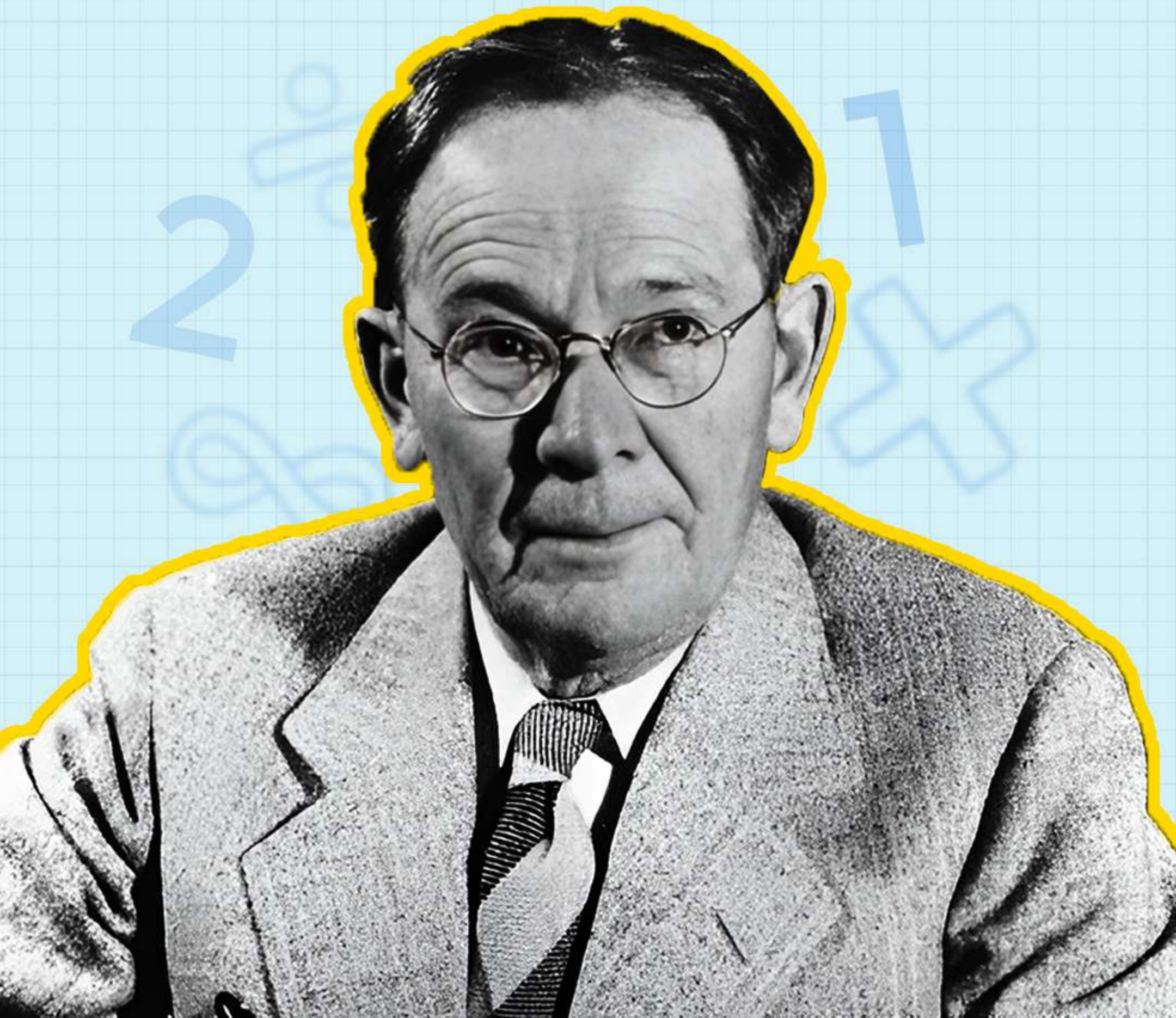


HOW IQ TESTING EVOLVED

From Terman's Formula to Modern Testing



How Was IQ Originally Calculated?

In 1916, **Lewis Terman** adapted William Stern's idea while developing the Stanford–Binet Intelligence Scale.

Classic IQ Formula:

$$\text{IQ} = \frac{\text{Mental Age}}{\text{Chronological Age}} \times 100$$

Example:

$$\begin{array}{l} \text{Mental Age} = 15, \\ \text{Chronological Age} = 10 \end{array} \quad \text{IQ} = \frac{15}{10} \times 100 = 150$$

Why This Method Had Limits

- Useful for children
- Less accurate for adults, as mental age does not increase proportionally with chronological age



How Is Intelligence Measured Today?

Modern tests use norm-based scoring, comparing an individual's performance with others of the same age group.

Commonly Used Tests:

● Stanford-Binet Intelligence Scales (SB-5)

- Fluid reasoning
- Knowledge
- Quantitative reasoning
- Visual-spatial processing
- Working memory



● Wechsler Intelligence Scales

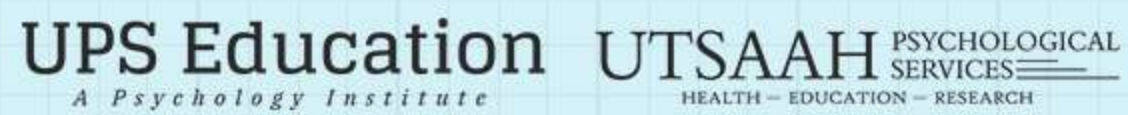
- Age-normed IQ scores (mean = 100)



● Main Idea:

Modern IQ tests rely on deviation IQ, not mental age.





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