

# General Intelligence



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# **01** Defining Intelligence

# What is General Intelligence?

## Definition:

General Intelligence is the ability to understand, learn, and apply knowledge across a variety of tasks and/or concepts.

Think of it as a 'superpower' of the mind, allowing you to navigate challenges in life.



# What is Intelligence?

## Intelligence

### Verbal Reasoning

Language skills, ability to articulate ideas, and knowledge of your own culture

### Nonverbal Reasoning

Logical reasoning, problem-solving, abstract reasoning

### Visual-Spatial Reasoning

Understanding and manipulations of visual images and spatial relationships

### Working Memory

How we interpret, store and retrieve information

### Processing Speed

The speed at which the mind can process information



# What is Intelligence?

## Interpersonal Intelligence

The ability to understand and interact effectively with others, including skills in communication, empathy, and relationship building.

## Intrapersonal Intelligence

The ability to understand oneself, including one's emotions, motivations, and inner thoughts.



# What is Intelligence?

Intelligence is not a single entity; it comes in various forms or multiple intelligences



## **2** IQ and Intelligence Testing



# What is IQ?

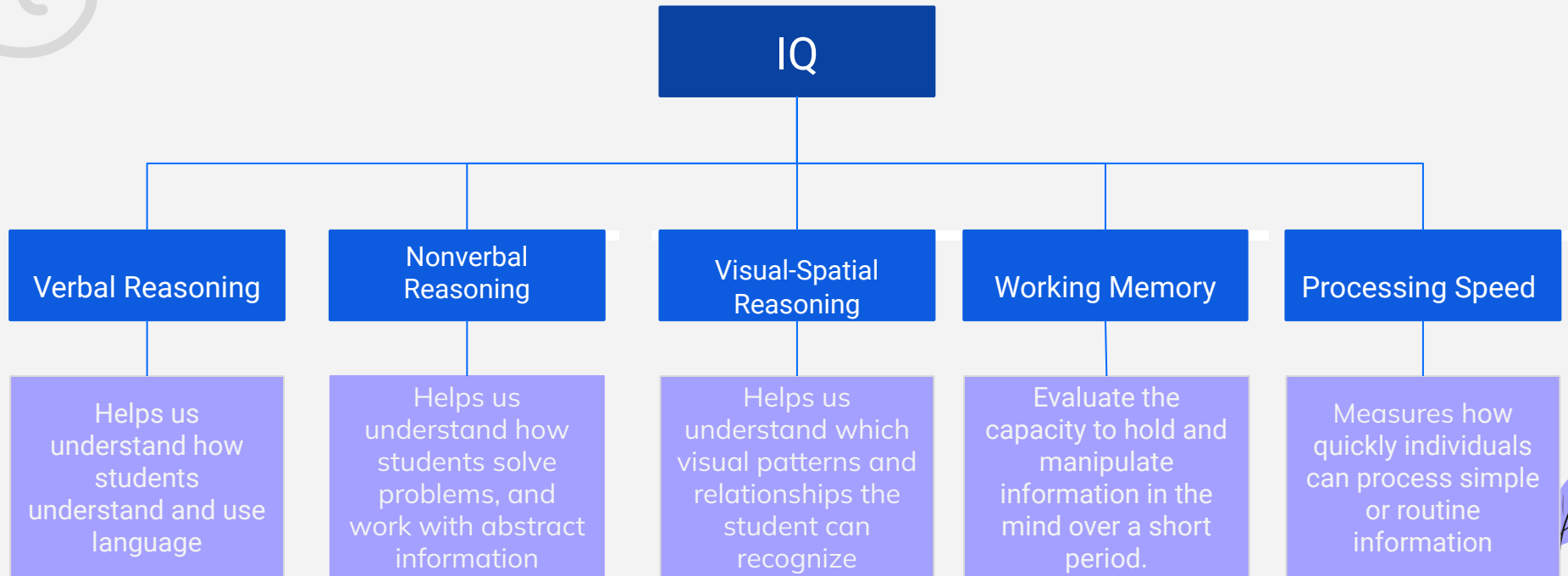
## **IQ** Intelligence Quotient

Score derived from standardized tests designed to measure a person's cognitive abilities.

It reflects a person's intellectual potential and is often used as a general indicator of intelligence.



# How do we measure IQ?



# Why Do We Measure IQ?

## Purpose of testing

Helps in identify students' strengths and weaknesses in specific cognitive areas, or learning styles.

Results can guide the development of tailored educational strategies

## IEP's

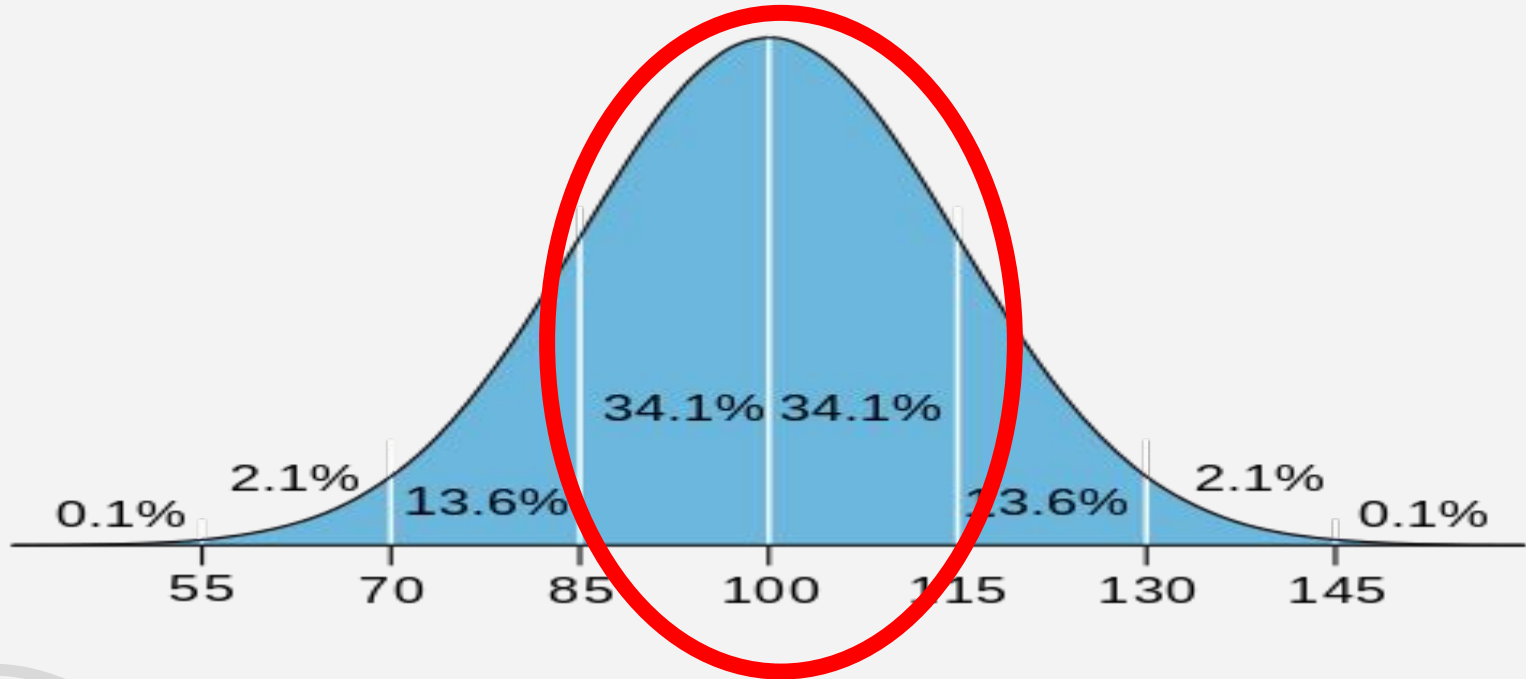
Results from intelligence testing may contribute to the development of Individualized Education Plans (IEPs).

## Limitations

While IQ tests offer valuable information, it's crucial to consider their limitations. Factors such as cultural biases, attention, motivation and test anxiety can impact results.

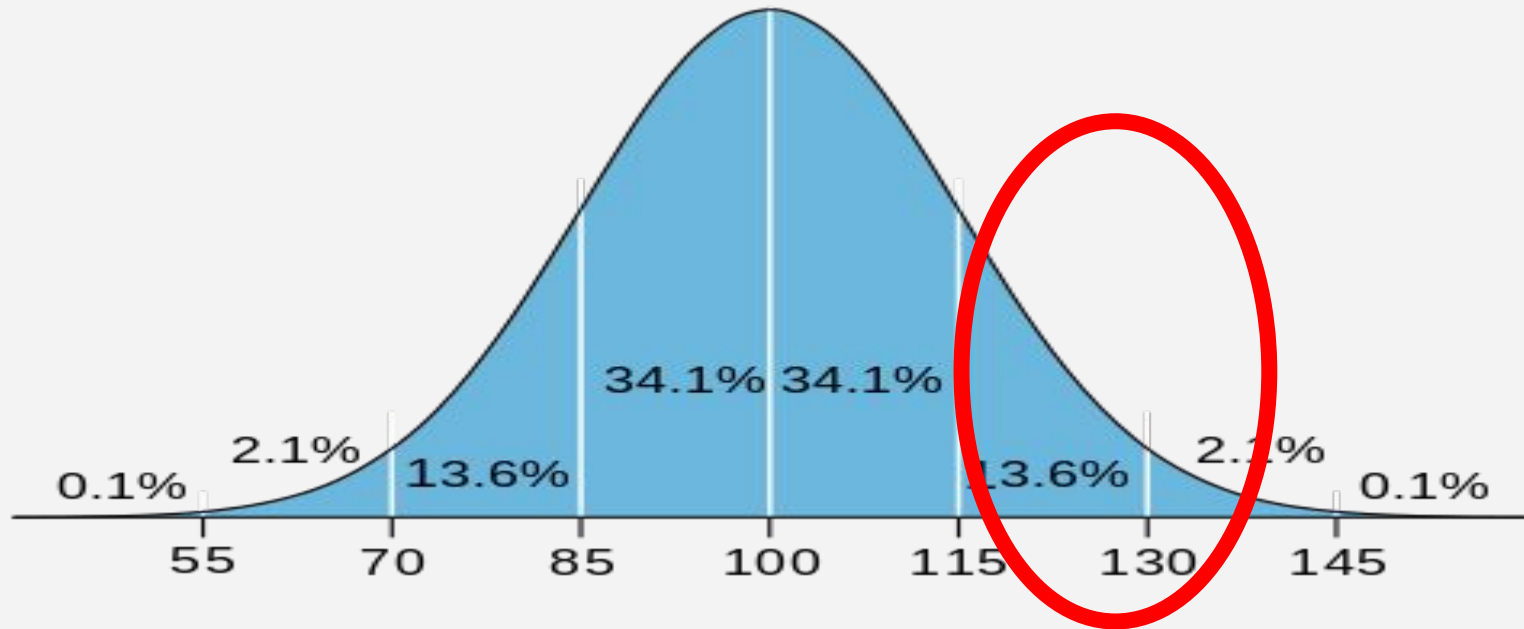
# How Do I Understand IQ Scores?

Scores between 85 and 115 = Average



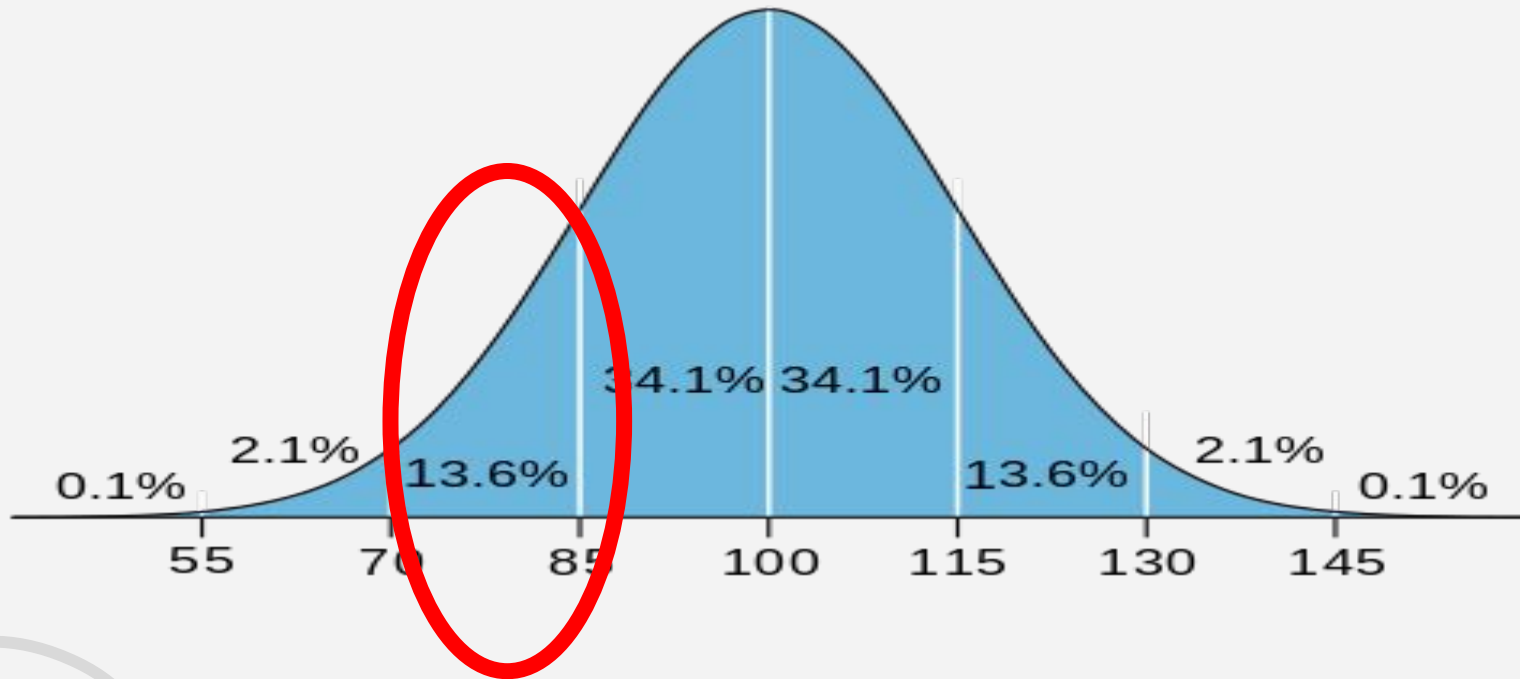
# How Do I Understand IQ Scores?

Scores above 115 = Above Average



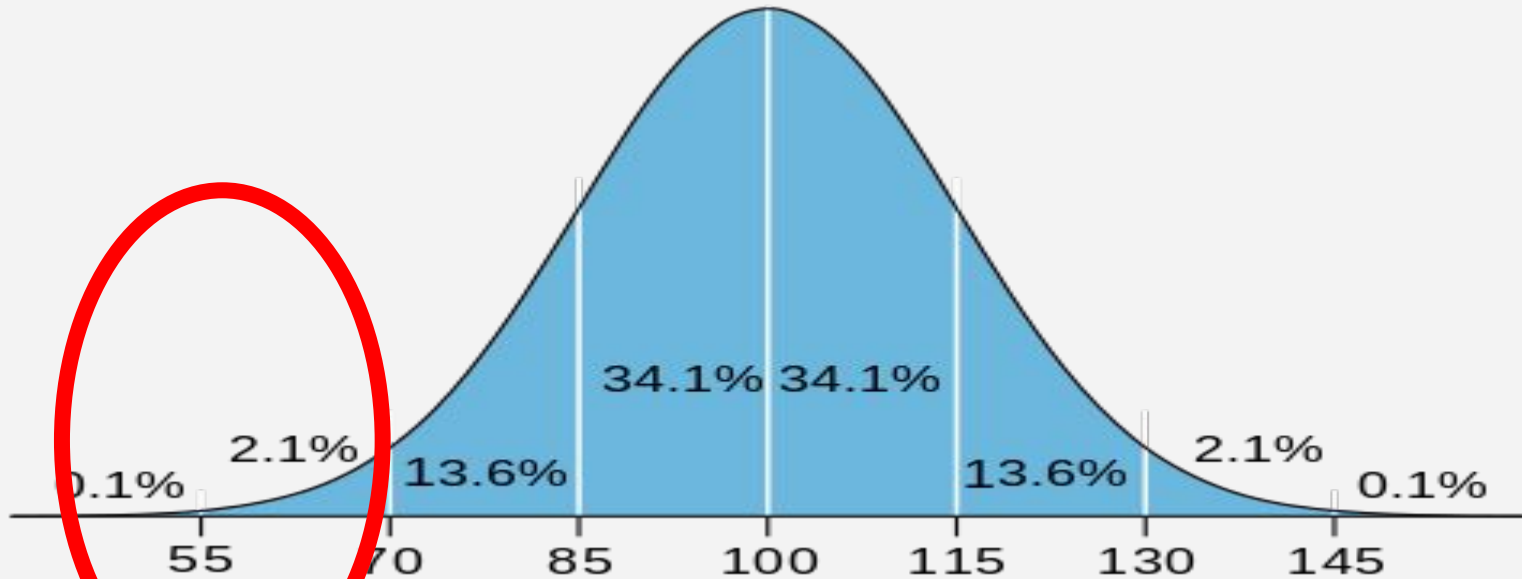
# How Do I Understand IQ Scores?

Scores between 70 and 85: Below Average



# How Do I Understand IQ Scores?

Scores below 70 = Significantly Below Average



# What is an Intellectual Disability?

## Intellectual disability

Intellectual functioning and adaptive behaviors (everyday social and practical skills).

E.g: Down Syndrome, Fetal Alcohol Syndrome (FAS), Williams Syndrome.

## Causes and Prevalence

Diverse causes, including genetic conditions, prenatal exposure to toxins, complications during childbirth, and environmental factors.

Are not uncommon and can affect people of all backgrounds, with varying degrees of severity









# **3** Real-Life Applications

Why General Intelligence Matters




How can an individual's IQ score affect their success within the school setting?





How can an individual's IQ score affect their success within the professional setting?





How can an individual's IQ score affect their success in their day-to-day life?



# Can I improve my IQ score?

## Lifelong Learning

Continuous, self-motivated pursuit of knowledge and skills throughout one's life.

Attending workshops, engaging in online courses, and reading diverse materials.

## Critical Thinking

Critical thinking involves analyzing, evaluating, and synthesizing information to make reasoned decisions.

## Explore Diverse Perspective

Engaging with individuals from diverse backgrounds, reading literature from various cultures, and participating in cross-cultural experiences.

# **4** Let's Talk Intelligence

# Key Takeaways

**1** What is something I learned?

**2** How would you define intelligence?

**3** How has this helped me understand my student?



# Questions?





# Feedback

[Feedback form](#)