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MEZURE TEST BATTERY

Five Independent Tests

- ❖ Cognitive Abilities
- ❖ Processing Speed
- ❖ Social Apperception
- ❖ Stress Tolerance
- ❖ Distractibility



Cognitive Abilities: Theoretical Foundation

What is Intelligence?

Former Model

- Verbal
- Non-Verbal

Contemporary Model

- Fluid Reasoning (Gf)
- Crystallized Reasoning (Gc)



Fluid Reasoning (Gf) Components

- Inductive Reasoning
- Deductive Reasoning
- Concept Formation
- Analysis-Synthesis
- Combinatorial Analysis
- Symbolic Classifications Under Novel Conditions



Fluid Reasoning (Gf) Requirements

- Cognitive flexibility
- Concentration
- Attention to Detail
- Motivation
- Perseverance
- Precision

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Fluid Reasoning (Gf)

Not Significantly Influenced By:

- Formal Schooling Experiences
- Prior Life Experiences / Travel
- Cultural Setting / Background

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Crystallized Reasoning (Gc)

Components

- Word Knowledge
- Categorizations
- Acquired General Information

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Crystallized Reasoning (Gc)

Significantly Influenced By:

- Formal Schooling Experiences
- Prior Life Experiences / Travel
- Cultural Setting / Background

The logo for MEZURE, featuring the word in a bold, black, sans-serif font. The letters 'E' and 'R' are stylized with horizontal bars above and below them. The logo is set against a white background with a black reflection effect below it.

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Crystallized Reasoning (Gc)

MEZURE Subtests

- Information
- Vocabulary
- Categorization



Processing Speed (Gs)

What is Processing Speed?

Ability to quickly perform simple scanning /
matching tasks



Processing Speed (Gs)

How is Processing Speed Measured?

- Task That Everyone Can Perform Successfully
- Speed Is Only Significant Challenge



Processing Speed (Gs) Requirements

- Concentration
- Effort
- Attention To Detail

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Processing Speed (Gs)

MEZURE Subtest

❖ Processing Speed



Social Apperception (EQ)

What is Social Apperception?

Ability to Associate Facial / Gestural Expressions with Verbal Expressions



Social Apperception (EQ)

How is Social Apperception Measured?

- Presentation Of Real-Life Verbal Expressions
- Examinee Must Identify The Most Appropriate Image / Individual
- Facial Expressions, Gestures, Body Language Provide Non-Verbal Cues

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Social Apperception (EQ) Requirements

- Attention to Detail
- Proper Behavioral / Emotional Functioning
- Accurate Estimations of Others' Feelings
- Range of Social Experiences may influence performance on this subtest

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Social Apperception (EQ)

Potentially Influenced By

- Range of Social Experiences
- Gender



Stress Tolerance (EQ)

What is Stress Tolerance?

- Ability to Maintain Consistent Performance
- Unaffected by Significant External Stressors
- Stable / Dependable / Consistent Performance

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Stress Tolerance (EQ)

How is Stress Tolerance Measured?

- Task That Everyone Can Perform Successfully
- Form A = Optimal Work Conditions
- Form B = Stressful Work Conditions
- Each Form Presents Items of Equal Difficulty
- Ipsative and Normative Scoring Procedure
- Stress Is The Only Significant Factor

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Stress Tolerance (EQ)

Which Stressors Are Utilized?

- Negative Feedback
- Deadlines / Time Pressure
- Task Overload



Stress Tolerance (EQ) Requirements

- Ability to Maintain Consistent Performance
- Block Out / Unaffected By Significant External Stressors
- Emotional Self-Regulation
- Emotional Stability
- Self-Efficacy

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Stress Tolerance (EQ)

Form A: Optimal Work Conditions

Autonomic Nervous System Arousal: Parasympathetic

- Calm Voice Intonation
- Soothing Color Themes
- Pleasant Music
- Unlimited Time For Task Completion

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Stress Tolerance (EQ)

Form B : Stressful Work Conditions

Autonomic Nervous System Arousal: Sympathetic

- Critical / Demanding Voice Prompts
- Grating / Irritating Music
- Intimidating Voice Intonation
- Stimulating Color Themes
- Challenging Deadlines
- Visual Timer

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Stress Tolerance (EQ)

Error Pattern Analysis

- Inhibited Under Stress = Errors of Omission
- Proactive Under Stress = Errors of Commission

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Stress Tolerance (EQ)

MEZURE Subtest

❖ Stress Tolerance



Distractibility

What is Distractibility?

- Ability to Maintain Consistent / Reliable Performance
- Unaffected by Real-Life Distracters
- Consistent Visual / Auditory Resistance
- Consistent Single Modality / Dual Modality Focus

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Distractibility

How is Distractibility Measured?

- Baseline is Subject's Own Performance Without Distracters
- Add Real-Life Distracters Using Same Task
- Ipsative and Normative Scoring Procedure
- Distractibility Is The Only Significant Factor



Distractibility

Which Distracters Are Utilized?

- Auditory Distracters
- Visual Distracters
- Multiple Modalities
- Single Modality

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Distractibility

Potentially Influenced By:

- Task Focus
- Situational Awareness
- Multi-Tasking Ability



Distractibility

MEZURE Subtests

- Auditory Memory with Visual Distractions
- Auditory Memory with Auditory Distractions
- Visual Memory with Auditory Distractions

MEZURE Test Battery

MEZURE	FLUID	CRYSTALLIZED	ADMINISTRATION TIME
Screening	<ol style="list-style-type: none">1. Vis. Closure2. Vis. Analogies	<ol style="list-style-type: none">1. Categorization2. Information	15 – 20 Minutes.
Standard	<ol style="list-style-type: none">1. Vis. Closure2. Vis. Analogies3. Vis. Memory4. Aud. Memory	<ol style="list-style-type: none">1. Categorization2. Information3. Vocabulary	25 - 30 Minutes.

MEZURE Supplemental Subtests

SUBTEST	ADMINISTRATION TIME
1. Processing Speed	3-4 minutes
1. Social Apperception	5 minutes
1. Auditory Memory with Visual Distractions	3 minutes
1. Auditory Memory with Auditory Distractions	2-3 minutes
1. Visual Memory with Auditory Distractions	3-4 minutes
	15-20 minutes total administration time

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