

**Psychometric Assessment:  
Surviving  
Cross-examination**

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# KEY MESSAGES

- The Court and other relevant authorities seek *EVIDENCED BASED* opinions.
- Psychologists can offer this (over psychiatrists & social workers) with **psychometric tests**.
- Psychologists must **choose tests wisely**.
- Psychologists should aim to **operationalize the questions** asked by the Court or relevant authorities.

# What are typical questions ?

- Criminal Court ?
- Civil Court ?
- Family Court ?
- Other Jurisdictions ?

# What are typical questions ?

- **Criminal Court ?**

- Does the defendant have a psychological condition ?
- Is the defendant at risk of breaching bail conditions ?
- Does the defendant have a mental impairment ?
- Is the defendant fit to stand trial ?
- Is the defendant suicidal ?
- What are the defendant's prospects of rehabilitation ?
- Is the defendant a dangerous sex offender ?

# What are typical questions ?

- **Civil Court ?**
  - Does the plaintiff have a a psychological condition ?
  - Does the plaintiff suffer PTSD ?
  - Is the paintiff's condition permanent ?
  - What treatment is recommended ?
  - How long might treatment take ?

# What are typical questions ?

- **Family Court ?**

- Is the husband a violent man ?
- Is the husband at risk of abusing the child ?
- Is the parent capable of caring for the child ?

# What are typical questions ?

- **Other areas – e.g. DSP eligibility ?**
  - Does the client have a disability ?
  - What is the client's intellectual function ?
  - Does the client suffer a mental impairment ?
  - Can the client live independently ?
  - Is the client's condition permanent ?
  - Does the client have a disability rating score of 20 points ?

Does the person have a significant  
psychological disorder ?



What tests can I use ?

WELCOME TO

THE ACADEMY  
AWARDS FOR  
PSYCHOLOGICAL  
TESTS

# 3 CATEGORIES

TEST CATEGORIES

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graph TD; A[TEST CATEGORIES] --- B[Performance Based test]; A --- C[Self Reports]; A --- D[Combination Tests];
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Performance Based test

Self Reports

Combination Tests

# CATEGORY 1

## Performance Based Test

- Intelligence\*
- Neuropsychology\*
- Achievement
- Developmental Functioning
- Adaptive Behaviour

# CATEGORY 2

## Self Report Tests

- Personality\*
- Psychopathology\*
- Specialist Clinical
- Vocational
- Behavioural

# CATEGORY 3

## Combination Tests

- Risk assessment\*
- Psycho-legal\*
- Response bias
- Malingering

# JUDGES SELECTION PROCESS

## essential features

- Be current and in common usage;
- Be validity and reliability;
- limitations should be clearly identifiable (e.g. age limits, reading level limits, etc);
- provide full normative data available for both clinical and non-clinical populations;
- administration procedures should be clearly defined and standardized;
- There must be a body of literature that would support the use of the particular test in the context of the relevant assessment;

# Desirable features

- incorporate a measure of response bias
- Straight forward administration
- Shortest time to test
- Excellent psychometric properties
- Balanced selection



# **CATEGORY 1**

## **Performance based Tests**

Intelligence Tests

# NOMINATIONS

## LONG FORM TESTS

1. Stanford-Binet Intelligence Scales, 5th Ed. (SB5)
2. Wechsler Adult Intelligence Scale—Fourth Edition (WAIS—IV)
3. Wechsler Intelligence Scale for Children, Fourth Edition (WISC-IV)

## SHORT FORM TESTS

4. Kaufman Brief Intelligence Test, Second Edition (K-BIT-2)
5. Test of Nonverbal Intelligence, Fourth Edition (TONI-4)
6. Wechsler Abbreviated Scale of Intelligence – Second Edition (WASI-II)

THE **WINNER** IS .....



# THE WINNER IS .....

Kaufman Brief Intelligence Test, Second Edition (KBIT-2)



<b>Test</b>	Kaufman Brief Intelligence Test
<b>Abbreviation</b>	K-BIT-2
<b>Year</b>	1990 / 2004
<b>Authors</b>	Kaufman & Kaufman
<b>Type</b>	Performance
<b>Purpose</b>	IQ assessment
<b>Age group</b>	4-90
<b>Admin Time</b>	15 mins
<b>Validity</b>	Yes
<b>Reliability</b>	Yes
<b>Psychometric Properties</b>	9
<b>Cultural Sensitivity</b>	8
<b>Scales</b>	Verbal IQ & Nonverbal IQ
<b>Items</b>	$(60 + 34) + 46 = 140$
<b>Normal</b>	x
<b>Clinical</b>	x
<b>Forensic</b>	x
<b>adolescent</b>	x
<b>PARiConnect</b>	No
<b>Administration</b>	No limit

# **CATEGORY 1**

## **Performance based Tests**

Neuropsychology Tests

# NOMINATIONS

1. Memory Assessment Scales (MAS) [Memory – Learning Ability]
2. Rey Complex Figure Test and Recognition Trial (RCFT) [Visual spatial Planning]
3. Stroop Color and Word Test [Executive Functioning ]
4. Symbol Digit Modalities Test (SDMT) [Motor Skills Ability]
5. Trail Making Test (TMT) [Executive Functioning]
6. Wechsler Memory Scale – Fourth Edition (WMS-IV) [Memory – Learning Ability]

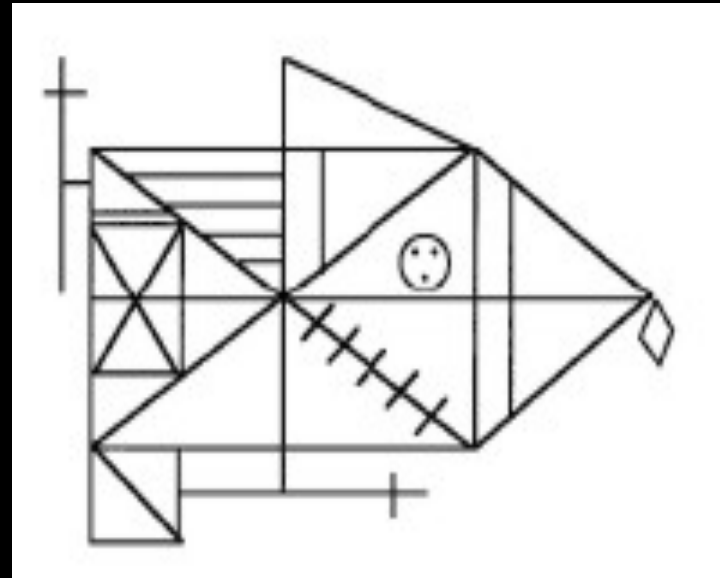
THE **WINNER** IS .....





# THE WINNER IS .....

- Rey Complex Figure Test



<b>Test</b>	Complex Figure Test
<b>Abbreviation</b>	CFT
<b>Year</b>	1986
<b>Authors</b>	Taylor / André Rey ( 1941) and Paul-Alexandre Osterrieth (1944)
<b>Type</b>	Performance
<b>Purpose</b>	Visuospatial ability
<b>Age group</b>	6-89
<b>Admin Time</b>	5mins
<b>Validity</b>	Yes
<b>Reliability</b>	Yes
<b>Psychometric Properties</b>	10
<b>Cultural Sensitivity</b>	10
<b>Scales</b>	2 basic
<b>Items</b>	1
<b>Normal</b>	x
<b>Clinical</b>	x
<b>Forensic</b>	x
<b>adolescent</b>	x
<b>PARiConnect</b>	No
<b>Administration</b>	No limit

# **CATEGORY 2**

## **Self Report Measures**

Personality Tests

# NOMINATIONS

1. Hare Psychopathy Checklist-Revised: (PCL-R) 2nd Edition [OBJECTIVE TEST]
2. Millon Clinical Multiaxial Inventory-III (MCMI-III) [OBJECTIVE TEST]
3. NEO Personality Inventory-Revised (NEO PI-R™) [OBJECTIVE TEST]
4. Rorschach Inkblot Test (RIT) [PROJECTIVE TEST]
5. Sixteen Personality Factor Questionnaire (16-PF) [OBJECTIVE TEST]
6. Thematic Apperception Test (TAT) [PROJECTIVE TEST]

THE **WINNER** IS .....



# THE WINNER IS .....

NEO Personality Inventory-Revised (NEO PI-R™)



<b>Test</b>	NEO Personality Inventory -Revised
<b>Abbreviation</b>	NEO PI-R
<b>Year</b>	1992
<b>Authors</b>	Costa & McRae
<b>Type</b>	self report
<b>Purpose</b>	Personality assessment
<b>Age group</b>	17-90
<b>Admin Time</b>	30mins
<b>Validity</b>	Yes
<b>Reliability</b>	Yes
<b>Psychometric Properties</b>	9
<b>Cultural Sensitivity</b>	7
<b>Scales</b>	5 Factors
<b>Items</b>	240
<b>Normal</b>	x
<b>Clinical</b>	x
<b>Forensic</b>	x
<b>adolescent</b>	No
<b>PARiConnect</b>	x
<b>Administration</b>	6th Grade

# **CATEGORY 2**

## **Self Report Measures**

Psychopathology Tests



# NOMINATIONS

1. Adolescent Psychopathology Scale (APS)
2. Minnesota Multiphasic Personality Inventory-2 Restructured Form (MMPI-2-RF)
3. Personality Assessment Inventory (PAI)
4. Symptom Checklist-90-Revised (SCL-90-R<sup>®</sup>)

THE **WINNER** IS .....



# THE WINNER IS .....

## Personality Assessment Inventory (PAI)



<b>Test</b>	Personality Assessment Inventory
<b>Abbreviation</b>	PAI
<b>Year</b>	1991
<b>Authors</b>	Morey
<b>Type</b>	self report
<b>Purpose</b>	Assessment of adult psychopathology
<b>Age group</b>	18-89
<b>Admin Time</b>	25mins
<b>Validity</b>	Yes
<b>Reliability</b>	Yes
<b>Psychometric Properties</b>	10
<b>Cultural Sensitivity</b>	9
<b>Scales</b>	4 Primary Scales
<b>Items</b>	344
<b>Normal</b>	x
<b>Clinical</b>	x
<b>Forensic</b>	x
<b>adolescent</b>	x
<b>PARiConnect</b>	x
<b>Administration</b>	4th Grade

# **CATEGORY 3**

## **Combination Tests**

Risk Assessment

COMBINATION TESTS

RISK ASSESSMENT

PSYCHOLEGAL

Offending Risk

Suicidal Risk

Violence Risk

Fitness

Criminal Responsibility

Domestic Violence Risk

RESPONSE BIAS

MALINGERING

# NOMINATIONS

1. Beck Scale for Suicide Ideation (BSS) (SUICIDE RISK)
2. Inventory of Offender Risk, Needs, and Strengths™ (IORNS™) (GENERAL RISK)
3. Sex Offender Risk Appraisal Guide (SORAG) (SEXUAL VIOLENCE)
4. Spousal Assault Risk Assessment Guide (SARA) (DOMESTIC VIOLENCE)
5. State-Trait Anger Expression Inventory–2™ (STAXI-2™) (VIOLENCE)
6. Violent Risk Appraisal Guide (VRAG) (VIOLENCE)
7. Child Abuse Potential Inventory

THE **WINNER** IS .....





# THE WINNER IS .....

- Inventory of Offender Risk, Needs, and Strengths™ (IORNS™)



<b>Test</b>	Inventory of Offender Risk, Needs and Strengths'
<b>Abbreviation</b>	IONS
<b>Year</b>	2006
<b>Authors</b>	Miller
<b>Type</b>	self report
<b>Purpose</b>	Risk assessment
<b>Age group</b>	18-99
<b>Admin Time</b>	20mins
<b>Validity</b>	Yes
<b>Reliability</b>	Yes
<b>Psychometric Properties</b>	6
<b>Cultural Sensitivity</b>	7
<b>Scales</b>	9
<b>Items</b>	130
<b>Normal</b>	x
<b>Clinical</b>	x
<b>Forensic</b>	x
<b>adolescent</b>	x
<b>PARiConnect</b>	x
<b>Administration</b>	4th grade

# Honourary Mention

- Child Abuse Potential Inventory
  - Needs development - has “potential”
  - Not user friendly
  - Difficult to score
  - Interpretation confusing
  - Reasonable literature
  - Best of a limited field
  - Could be used in :
    - foster care evaluations
    - sex abuse allegations
    - adoption applications

# Child Abuse Potential Inventory



<b>Test</b>	<b>Child Abuse Potential Inventory</b>
<b>Abbreviation</b>	CAP
<b>Year</b>	1977-2006
<b>Authors</b>	Milner
<b>Type</b>	self report
<b>Purpose</b>	Risk assessment
<b>Age group</b>	18-75
<b>Admin Time</b>	15-20mins
<b>Validity</b>	Yes
<b>Reliability</b>	Yes
<b>Psychometric Properties</b>	8
<b>Cultural Sensitivity</b>	7
<b>Scales</b>	9
<b>Items</b>	160
<b>Normal</b>	x
<b>Forensic</b>	x
<b>PARiConnect</b>	x
<b>Administration</b>	4th grade

# PARiConnect

Generated by **PARiConnect**

## Score Report

Name: Sample Client

Client ID: 1234

Age: 18

Gender: Male

Race: White

Marital status: Single

Number of children in home: 3

Highest grade completed: 10

Test date: 03/13/2014

This report is intended for use by qualified professionals only and is not to be shared

# **CATEGORY 3**

## **Combination Tests**

Psycho-legal Assessment

# NOMINATIONS

1. Evaluation of Competency to Stand Trial™—  
Revised (ECST™-R)
2. Fitness Interview Test (FIT)
3. MacArthur Competence Assessment Tool-  
Criminal Adjudication (MacCAT-CA™)
4. Rogers Criminal Responsibility Assessment  
Scales (R-CRAS)



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<b>Test</b>	MacArthur Competence Assessment Tool for Fitness to Plead (MacCAT-FP)
<b>Abbreviation</b>	MacCAT FP
<b>Year</b>	2009
<b>Authors</b>	Appelbaum P & Grisso T
<b>Type</b>	Combination
<b>Purpose</b>	Fitness Assessment
<b>Age group</b>	18-90
<b>Admin Time</b>	20mins
<b>Validity</b>	Yes
<b>Reliability</b>	Yes
<b>Psychometric Properties</b>	7
<b>Cultural Sensitivity</b>	6
<b>Scales</b>	3 Validity scales, 7 Abuse scales, 2 Abuse 'special' scales
<b>Items</b>	22
<b>Normal</b>	x
<b>Clinical</b>	x
<b>Forensic</b>	x
<b>adolescent</b>	x
<b>PARiConnect</b>	no
<b>Administration</b>	No limit

# QUESTIONS