

# ANNUAL CONVENTION

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New Developments in Rorschach-Based Behavioral Assessment  
Gregory J. Meyer and Donald J. Viglione

# Why the Rorschach?

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- The Rorschach? Really?
- Why? Because the task provides a standardized, in vivo sample of perceptual and verbal problem-solving behavior
  - Inkblots were artistically created and enhanced, carefully selected, and pilot-tested
  - Stimuli are structured to provide multiple suggestive but incomplete or imperfect perceptual likenesses that form competing visual images
- The task is to examine the stimuli and answer the question: “What might this be?”
  - The answer provides
    - a visual attribution
    - a verbal explanation or elaboration
    - a range of behaviors interacting with the stimuli and examiner

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- These verbal, perceptual, and interactive behaviors can be:
  - Coded and compared to normative expectations
  - Understood as direct but unique observation of task behavior
  - Analyzed idiographically for content, imagery, and sequence
- Administering the task allows the examiner to observe what the person does, not learn what he thinks he does
- Thus, the task is a reasonably brief, portable, behavioral experiment that can be used in various clinical settings
  - e.g., a private office, hospital room

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- As a behavioral task, the most valid inferences are those in which the behaviors observed and coded in the microcosm of the task generalize to parallel mental, verbal, perceptual, and interactive behaviors in the external environment
- The place of Rorschach data in an assessment
  - Like other performance tasks, coded behaviors may reflect implicit qualities not recognized by the respondent
  - Rorschach scores can thus complement consciously recognized self-report characteristics
  - Because Rorschach scores are at best just modestly correlated with self-report data, **valid** scores provide unique information about personality that can add incrementally and meaningfully to self-reported information

# Why R-PAS?

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- R-PAS = Rorschach Performance Assessment System
  - Don Viglione, Joni Mihura, Bob Erard, Phil Erdberg, & me
    - Disclosure: We have a financial stake in the system
  - Four of us worked on Exner's Research Council for the Comprehensive System (CS), which ran from 1997-2006
  - R-PAS significantly extends the work began in that group
- Our goal is to have a clinically rich, evidence-based, logically transparent, user-friendly, internationally-focused system available for applied practice
- Unlike the CS, R-PAS can and will evolve in response to evidence and needs

- Four Criteria for Variable Selection:
  - Empirical support in validity meta-analysis and synthesis of other research findings
  - Clear conceptual link between coded response processes and interpretation
    - **Response processes** = psychological operations involved in producing the coded behavior
  - Support from clinical experience based on a large survey of experienced practitioners
  - Parsimony

# Main Validity Meta-analysis

- Review of 70 major CS variables
  - Mihura, Meyer, Dumitrascu, & Bombel (2011)
  - Identified all instances of any hypothesized association
  - Reliably classified their construct relevance ( $\kappa = .79$ )
  - # of findings = 1,229; total  $N = 20,363$
- As expected, scores are more associated with externally-assessed criteria than self-report criteria:
  - Self-assessed  $r = .06$
  - Externally-assessed  $r = .24$ 
    - e.g., observer ratings, psychiatric diagnosis
- As expected, validity varies by score; e.g.,
  - Good: X-%, WSum6, Lambda, EA, MOR
  - Poor: Zd, PSV, Egocentricity, Isolation Index

# R-PAS Highlights

- The Four Variable Selection Criteria Lead to:
  - 13 Response-Level Coding Categories
  - 60 Protocol-Level Scores that are Profiled
  - 2 Levels of Emphasis in the Profiled Output
    - **Page 1** = Primary interpretive emphasis
    - **Page 2** = Tentative interpretive inferences
- Relative to the CS:
  - Some scores were dropped
    - e.g., Hx, PSV
  - Some were reconfigured
    - e.g., no longer code form dominance for shading
  - Six new codes added
    - SR, SI, MAH & MAP, AGC, ODL



| What is the card angle? | Where is it seen? | Is white space used? How? |                   | What is seen?  | Are any objects meaningfully related? | Are all objects in the percept vague? | Are there two identical objects? | How well does it fit the blot? | Do many people see it? | What makes it look like that? | Are there issues with thought processes? | What themes are present? | What step take to mana R? |
|-------------------------|-------------------|---------------------------|-------------------|----------------|---------------------------------------|---------------------------------------|----------------------------------|--------------------------------|------------------------|-------------------------------|--|--------------------------|---------------------------|
| Card Orientation        | Location*         | Space Reversal            | Space Integration | Content Class* | Synthesis                             | Vagueness                             | Pair                             | Form Quality*                  | Popular                | Determinants*                 | Cognitive Codes                          | Thematic Codes           | R-Optimized               |
| @                       | W,D,Dd            | SR                        | SI                | H An           | Sy                                    | Vg                                    | 2                                | o, u, -, n                     | P                      | M                             | DV1,DV2                                  | ABS                      | Pr,Pr                     |
| < v >                   | Loc#(s)           |                           |                   | (H) Art        |                                       |                                       |                                  |                                |                        | FM                            | DR1,DR2                                  | PER                      |                           |
|                         |                   |                           |                   | Hd Ay          |                                       |                                       |                                  |                                |                        | m                             | INC1,INC2                                | COP                      |                           |
|                         |                   |                           |                   | (Hd) Bl        |                                       |                                       |                                  |                                |                        | (a,p,a-p)                     | FAB1,FAB2                                | MAH                      |                           |
|                         |                   |                           |                   | A Cg           |                                       |                                       |                                  |                                |                        | FC, CF, C                     | PEC                                      | AGM                      |                           |
|                         |                   |                           |                   | (A) Ex         |                                       |                                       |                                  |                                |                        | C'                            | CON                                      | AGC                      |                           |
|                         |                   |                           |                   | Ad Fi          |                                       |                                       |                                  |                                |                        | Y                             |  | MOR                      |                           |
|                         |                   |                           |                   | (Ad) Sx        |                                       |                                       |                                  |                                |                        | T                             |  | MAP                      |                           |
|                         |                   |                           |                   | NC             |                                       |                                       |                                  |                                |                        | V                             |  | GHR, PHR                 |                           |
|                         |                   |                           |                   |                |                                       |                                       |                                  |                                |                        | FD                            |  | ODL                      |                           |
|                         |                   |                           |                   |                |                                       |                                       |                                  |                                |                        | r                             |  |                          |                           |
|                         |                   |                           |                   |                |                                       |                                       |                                  |                                |                        | F                             |  |                          |                           |

\*Scored for every response

More than one row of Determinants, Content, Cognitive, or Thematic codes can be assigned to each response.

Entries on the same row within a column are mutually exclusive options; only one can be assigned to a response.

## R-PAS Code Sequence

Name: RM

Protocol ID: 1

Age: 25

Gender: Male

Education: NA

| Card | #  | Or | Loc | Loc #    | SR | SI | Content        | Sy | Vg | 2  | FQ | P | Determinants | Cognitive | Thematic    | HR | ODL (RP) | R-Opt |
|------|----|----|-----|----------|----|----|----------------|----|----|----|----|---|--------------|-----------|-------------|----|----------|-------|
| I    | 1  |    | W   |          |    | SI | A              |    |    |    | o  |   | F            |           | PER         |    |          | Pr    |
|      | 2  | v  | W   |          |    |    | NC             |    |    |    | u  |   | F            |           |             |    |          |       |
| II   | 3  |    | Dd  | 24,5,6,4 |    | SI | NC             | Sy |    |    | u  |   | V            |           |             |    |          |       |
|      | 4  |    | Dd  | 99,4,5   |    | SI | NC             | Sy |    | 2  | u  |   | V            |           |             |    |          |       |
| III  | 5  | v  | W   |          |    | SI | (Hd),NC        | Sy |    |    | -  |   | mp           |           |             | PH |          |       |
|      | 6  |    | D   | 9        |    |    | (H),Art        | Sy |    | 2  | o  |   | Mp           |           |             | GH |          |       |
|      | 7  |    | D   | 9,7      |    |    | (H),(Hd)       | Sy |    | 2  | o  |   | Ma           |           | COP,AGM,MAP | PH |          |       |
| IV   | 8  | v  | D   | 1,3,24   |    | SI | (Hd),Cg        | Sy |    |    | o  |   | F            |           |             | GH |          |       |
|      | 9  |    | D   | 7        |    |    | (H)            |    |    |    | o  | P | FD           |           | AGC         | GH |          |       |
| V    | 10 | v  | W   |          |    |    | (A)            |    |    |    | u  |   | FMa,FD       |           |             |    |          |       |
|      | 11 |    | W   |          |    |    | A              |    |    |    | o  |   | F            |           |             |    |          |       |
| VI   | 12 | v  | W   |          |    |    | A              |    |    |    | o  |   | F            |           |             |    |          |       |
|      | 13 |    | W   |          |    |    | (H),Ay,NC      | Sy |    | 2  | u  |   | Mp,V         | INC1      |             | PH | ODL      |       |
|      | 14 |    | Dd  | 99       |    |    | (Hd)           |    |    |    | -  |   | Y            |           |             | PH |          |       |
| VII  | 15 |    | Dd  | 99       |    |    | NC             |    |    | Vg | u  |   | Y            |           | MOR         |    |          |       |
|      | 16 |    | W   |          |    |    | (Hd),Art,Cg    | Sy |    | 2  | o  | P | Mp,mp        |           | MOR         | PH | ODL      |       |
| VIII | 17 | v  | W   |          |    | SI | NC             |    |    |    | o  |   | Y,V          |           |             |    |          |       |
|      | 18 |    | W   |          |    |    | A,NC           | Sy |    | 2  | o  | P | FMa          |           | AGC         |    | ODL      |       |
| IX   | 19 |    | D   | 8        |    |    | Ay,NC          | Sy |    | 2  | o  |   | FC           | DV1       | MOR,MAP     |    |          |       |
|      | 20 | v  | W   |          |    |    | Cg             | Sy |    |    | u  |   | FD           |           |             |    |          |       |
| X    | 21 |    | Dd  | 3.26.99  |    |    | (H),(Hd),Cg,NC | Sy |    | 2  | u  | P | Mp,mp,Y      | FAB1      | AGC         | PH |          |       |
|      | 22 |    | Dd  | 1,29     | SR |    | (Hd),Ay,NC     | Sy |    | 2  | -  |   | CF           |           |             | PH |          |       |
| X    | 23 |    | D   | 14,8     |    |    | A,NC           | Sy |    | 2  | -  |   | FD           | FAB1      | AGC         |    |          |       |
|      | 24 |    | Dd  | 9,6,99   |    | SI | NC             | Sy |    | 2  | u  |   | V            |           |             |    |          |       |

## R-PAS Protocol Level Counts & Calculations

C-ID: Case RM

P-ID: 7

Age: ~25

Gender: Male

Education: 17+

| Section                               | Counts           |              | Counts         |              | Calculations      |               | Section             | Counts                 |               | Counts     |                   | Calculations |                    |             |  |
|---------------------------------------|------------------|--------------|----------------|--------------|-------------------|---------------|---------------------|------------------------|---------------|------------|-------------------|--------------|--------------------|-------------|--|
| <b>Responses &amp; Administration</b> | <b>R</b>         | = <b>24</b>  | R8910          | = 7          | <b>R8910%</b>     | = <b>29%</b>  | <b>Determinants</b> | <b>M</b>               | = <b>5</b>    | FC         | = 1               | <b>WSumC</b> | = <b>1.5</b>       |             |  |
|                                       | <b>Pr</b>        | = <b>1</b>   | <b>Pu</b>      | = <b>0</b>   |                   |               |                     | <u>Blends:</u>         | FM            | = 2        | CF                | = 1          | SumC               | = 2         |  |
|                                       | <b>CT</b>        | = <b>7</b>   |                |              |                   |               |                     | FMa,FD                 | <b>m</b>      | = <b>3</b> | <b>C</b>          | = <b>0</b>   | <b>(CF+C)/SumC</b> | = <b>NA</b> |  |
| <b>Location</b>                       | W                | = 11         | D              | = 6          | <b>W%</b>         | = <b>46%</b>  | Mp,V                | <b>C'</b>              | = <b>0</b>    | <b>Y</b>   | = <b>4</b>        | <b>MC</b>    | = <b>6.5</b>       |             |  |
|                                       | Dd               | = 7          | WD             | = 17         | <b>Dd%</b>        | = <b>29%</b>  | Mp,mp               | <b>T</b>               | = <b>0</b>    | <b>V</b>   | = <b>5</b>        | <b>M/MC</b>  | = <b>77%</b>       |             |  |
|                                       |                  |              |                |              |                   |               | Y,V                 | <b>r</b>               | = <b>0</b>    | <b>FD</b>  | = <b>4</b>        | <b>YTVC'</b> | = <b>9</b>         |             |  |
| <b>Space</b>                          | <b>SR</b>        | = <b>1</b>   | <b>SI</b>      | = <b>7</b>   |                   |               | Mp,mp,Y             |                        |               | F          | = 5               | mY           | = 7                |             |  |
|                                       | AnyS             | = 8          |                |              |                   |               |                     |                        |               |            |                   | <b>F%</b>    | = <b>21%</b>       |             |  |
|                                       |                  |              |                |              |                   |               |                     |                        |               |            |                   | <b>PPD</b>   | = <b>14</b>        |             |  |
| <b>Content</b>                        | <b>H</b>         | = <b>0</b>   | <b>An</b>      | = <b>0</b>   | <b>SumH</b>       | = <b>12</b>   | a                   | = 3                    | p             | = 7        | <b>p/(a+p)</b>    | = <b>70%</b> |                    |             |  |
|                                       | (H)              | = 5          | Art            | = 2          | NPH               | = 12          | Ma                  | = 1                    | Mp            | = 4        | <b>Mp/(Ma+Mp)</b> | = <b>80%</b> |                    |             |  |
|                                       | Hd               | = 0          | Ay             | = 3          | <b>NPH/SumH</b>   | = <b>100%</b> | <b>Blend</b>        | = <b>5</b>             | <b>CBlend</b> | = <b>0</b> | Blend%            | = 21%        |                    |             |  |
|                                       | (Hd)             | = 7          | Bl             | = 0          |                   |               |                     |                        |               |            |                   |              |                    |             |  |
|                                       | A                | = 5          | Cg             | = 4          |                   |               |                     |                        |               |            |                   |              |                    |             |  |
|                                       | (A)              | = 1          | Ex             | = 0          |                   |               |                     |                        |               |            |                   |              |                    |             |  |
|                                       | Ad               | = 0          | Fi             | = 0          |                   |               |                     |                        |               |            |                   |              |                    |             |  |
| (Ad)                                  | = 0              | Sx           | = 0            |              |                   |               |                     |                        |               |            |                   |              |                    |             |  |
|                                       |                  | NC           | = 13           |              |                   |               |                     |                        |               |            |                   |              |                    |             |  |
| <b>Object Qualities</b>               | Synthesis        | <b>Sy</b>    | = <b>15</b>    |              |                   | <b>Sy%</b>    | = <b>62%</b>        | <b>Cognitive Codes</b> | DV1 (1)       | = 1        | DV2 (2)           | = 0          | <b>WSumCog</b>     | = <b>11</b> |  |
|                                       | Vagueness        | Vg           | = 1            |              |                   | <b>Vg%</b>    | = <b>4%</b>         |                        | INC1 (2)      | = 1        | INC2 (4)          | = 0          | <b>SevCog</b>      | = <b>0</b>  |  |
|                                       | Pair             | 2            | = 11           |              |                   |               |                     |                        | DR1 (3)       | = 0        | DR2 (6)           | = 0          | Lev2Cog            | = 0         |  |
| <b>Form Quality and Popular</b>       | FQo              | = 11         | WDo            | = 11         | <b>FQo%</b>       | = <b>46%</b>  |                     |                        |               | FAB1 (4)   | = 2               | FAB2 (7)     | = 0                |             |  |
|                                       | FQu              | = 9          | WDu            | = 4          | <b>FQu%</b>       | = <b>38%</b>  |                     |                        |               | PEC (5)    | = 0               | CON (7)      | = 0                |             |  |
|                                       | FQ-              | = 4          | WD-            | = 2          | <b>FQ-%</b>       | = <b>17%</b>  |                     |                        |               |            |                   |              |                    |             |  |
|                                       | FQn              | = 0          | WDn            | = 0          | <b>WD-%</b>       | = <b>12%</b>  |                     |                        |               |            |                   |              |                    |             |  |
|                                       | <b>M-</b>        | = <b>0</b>   | <b>P</b>       | = <b>4</b>   |                   |               |                     |                        |               |            |                   |              |                    |             |  |
| <b>Thematic Codes</b>                 | ABS              | = 0          | <b>PER</b>     | = <b>1</b>   | MAHP              | = 2           |                     |                        |               |            |                   |              |                    |             |  |
|                                       | <b>COP</b>       | = <b>1</b>   | <b>MAH</b>     | = <b>0</b>   | <b>MAP/MAHP</b>   | = <b>NA</b>   |                     |                        |               |            |                   |              |                    |             |  |
|                                       | <b>AGM</b>       | = <b>1</b>   | <b>AGC</b>     | = <b>4</b>   | GPHR              | = 10          |                     |                        |               |            |                   |              |                    |             |  |
|                                       | <b>MOR</b>       | = <b>3</b>   | MAP            | = 2          | <b>PHR/GPHR</b>   | = <b>70%</b>  |                     |                        |               |            |                   |              |                    |             |  |
|                                       | ODL              | = 3          |                |              | <b>ODL%</b>       | = <b>12%</b>  |                     |                        |               |            |                   |              |                    |             |  |
|                                       | GHR              | = 3          | PHR            | = 7          |                   |               |                     |                        |               |            |                   |              |                    |             |  |
| <b>Other Calculations</b>             | <b>IntCont</b>   | = <b>5</b>   | <b>TP-Comp</b> | = <b>1.2</b> | <b>Complexity</b> | = <b>109</b>  |                     |                        |               |            |                   |              |                    |             |  |
|                                       | <b>CritCont%</b> | = <b>17%</b> | <b>V-Comp</b>  | = <b>7.7</b> | LSO               | = 48          |                     |                        |               |            |                   |              |                    |             |  |
|                                       | <b>EII-3</b>     | = <b>0.8</b> | <b>SC-Comp</b> | = <b>7.0</b> | Cont              | = 36          |                     |                        |               |            |                   |              |                    |             |  |
|                                       |                  |              |                | Det          | = 25              |               |                     |                        |               |            |                   |              |                    |             |  |

Counts and Calculations in Bold Font are on the Summary Scores and Profiles Pages



## R-PAS Summary Scores and Profiles – Page 2

| C-ID: Case RM                           |            |      |     | P-ID: 7    |     | Age: ~25                              |    | Gender: Male |    | Education: 17+ |     |     |       |     |     |
|---|------------|------|-----|------------|-----|---------------------------------------|----|--------------|----|----------------|-----|-----|-------|-----|-----|
| Domain/Variables                        | Raw Scores | Raw  |     | Cplx. Adj. |     | Standard Score Profile<br>R-Optimized |    |              |    |                |     |     | Abbr. |     |     |
|   |            | %ile | SS  | %ile       | SS  | 60                                    | 70 | 80           | 90 | 100            | 110 | 120 |       | 130 | 140 |
| <b>Engagement and Cog. Processing</b>   |            |      |     |            |     | 60                                    | 70 | 80           | 90 | 100            | 110 | 120 | 130   | 140 |     |
| W%                                      | 46%        | 63   | 105 | 42         | 97  |                                       |    |              |    | 100            |     |     |       |     |     |
| Dd%                                     | 29%        | 86   | 116 | 90         | 119 |                                       |    |              |    |                | 110 |     |       |     |     |
| SI (Space Integration)                  | 7          | 97   | 127 | 95         | 125 |                                       |    |              |    |                |     | 130 |       |     |     |
| IntCont                                 | 5          | 86   | 116 | 75         | 110 |                                       |    |              |    |                | 110 |     |       |     |     |
| Vg%                                     | 4%         | 46   | 99  | 49         | 100 |                                       |    |              | 90 |                |     |     |       |     |     |
| V                                       | 5          | >99  | 140 | 99         | 136 |                                       |    |              |    |                |     |     |       | 140 |     |
| FD                                      | 4          | 97   | 129 | 95         | 126 |                                       |    |              |    |                |     | 130 |       |     |     |
| R8910%                                  | 29%        | 29   | 92  | 36         | 95  |                                       |    |              | 90 |                |     |     |       |     |     |
| WSumC                                   | 1.5        | 21   | 88  | 2          | 70  |                                       |    |              | 90 |                |     |     |       |     |     |
| C                                       | 0          | 36   | 95  | 36         | 95  |                                       |    |              | 90 |                |     |     |       |     |     |
| Mp/(Ma+Mp) [4/5]                        | 80%        | 93   | 122 | 93         | 122 |                                       |    |              |    |                |     | 130 |       |     |     |
| <b>Perception and Thinking Problems</b> |            |      |     |            |     | 60                                    | 70 | 80           | 90 | 100            | 110 | 120 | 130   | 140 |     |
| FQu%                                    | 38%        | 74   | 110 | 68         | 107 |                                       |    |              |    | 110            |     |     |       |     |     |
| <b>Stress and Distress</b>              |            |      |     |            |     | 60                                    | 70 | 80           | 90 | 100            | 110 | 120 | 130   | 140 |     |
| PPD                                     | 14         | 82   | 114 | 48         | 100 |                                       |    |              |    |                | 110 |     |       |     |     |
| YTVC'                                   | 9          | 89   | 118 | 72         | 109 |                                       |    |              |    |                | 110 |     |       |     |     |
| CBlend                                  | 0          | 28   | 91  | 28         | 91  |                                       |    |              | 90 |                |     |     |       |     |     |
| C'                                      | 0          | 14   | 84  | 14         | 84  |                                       |    |              | 80 |                |     |     |       |     |     |
| V                                       | 5          | >99  | 140 | 99         | 136 |                                       |    |              |    |                |     |     |       | 140 |     |
| CritCont% (Critical Contents)           | 17%        | 46   | 98  | 30         | 92  |                                       |    |              | 90 |                |     |     |       |     |     |
| <b>Self and Other Representation</b>    |            |      |     |            |     | 60                                    | 70 | 80           | 90 | 100            | 110 | 120 | 130   | 140 |     |
| SumH                                    | 12         | 96   | 126 | 82         | 113 |                                       |    |              |    |                |     | 130 |       |     |     |
| NPH/SumH [12/12]                        | 100%       | 96   | 127 | 98         | 138 |                                       |    |              |    |                |     | 130 |       |     |     |
| r (Reflections)                         | 0          | 36   | 95  | 36         | 95  |                                       |    |              | 90 |                |     |     |       |     |     |
| p/(a+p) [7/10]                          | 70%        | 89   | 118 | 89         | 119 |                                       |    |              |    |                | 110 |     |       |     |     |
| AGM                                     | 1          | 75   | 110 | 75         | 110 |                                       |    |              |    | 110            |     |     |       |     |     |
| T                                       | 0          | 28   | 91  | 28         | 91  |                                       |    |              | 90 |                |     |     |       |     |     |
| PER                                     | 1          | 72   | 109 | 72         | 109 |                                       |    |              |    | 110            |     |     |       |     |     |
| An                                      | 0          | 16   | 85  | 16         | 85  |                                       |    |              | 80 |                |     |     |       |     |     |

# R-PAS Highlights

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- R-Optimized Administration
  - Before Test: Ask for “two, maybe three responses”
  - During Test: Prompt for 2, Pull after 4 & Give reminder
  - Designed to have R in range of about 18 to 28
  - Secondarily allows better ability to document when people have difficulty giving or inhibiting responses
- Initial Research:
  - Greatly reduced short & long records; so smaller SD for R
  - Eases the administration task
    - Virtually no re-administration
  - Very little effect on other variables
  - Allows norms to better fit all protocols
    - And thus are better able to identify deviations from norms
  - Potential for less examiner variation across sites

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- Clearer and more detailed guidelines for
  - Test administration
    - e.g., rapport, prior exposure, documentation
  - Response clarification
    - Goal: To be able to code with “reasonable certainty,” not to “see it the way you do”
    - Questions should target specific coding uncertainties
  - Coding
    - Basic and Advanced chapters
      - e.g., detailed principles; consistent use of threshold benchmark examples

# R-PAS Highlights

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- FQ tables developed with internationally collected data on Fit and Frequency
  - Fit: Judgments of how easily objects are seen
  - Frequency: How often objects are spontaneously reported
  - Tables are quite different from CS
  - Initial data show validity on a par with CS but should have greater international utility
  - FQ tables organized in a user-friendly format



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- Use contemporary internationally collected adult normative data from 15 samples
  - Based mostly on contributions to 2007 *JPA* Supplement on Reference Data for the CS
  - Caveat: Modeled to fit R-Optimized admin
  - Caveat: No good normative data for children

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- Visual display of profiled results
  - Places all scores on a common metric
  - Convert raw scores to percentiles
    - Does not alter the underlying distributions
  - Convert percentiles to normalized Standard Score equivalents with  $M = 100$ ,  $SD = 15$ 
    - Slightly modifies the distributions to emphasize deviations at the extremes and de-emphasize them in the average range
- Complexity-Adjusted Scores
  - Provides a way to see what is atypical given a very complex or a very simple record

# Normative Translation Examples

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| <b>Variable</b> | <b>Raw Score</b> | <b>Percentile</b> | <b>Normal SS Equivalent</b> |
|-----------------|------------------|-------------------|-----------------------------|
| Dd              | 1                | 15.5              | 85                          |
|                 | 3                | 47.5              | 99                          |
|                 | 6                | 80.1              | 113                         |
| Texture         | 0                | 27.5              | 91                          |
|                 | 1                | 68.4              | 107                         |
|                 | 2                | 88.5              | 118                         |
| FQ-%            | 03%              | 15.8              | 85                          |
|                 | 09%              | 52.1              | 101                         |
|                 | 16%              | 84.0              | 115                         |



## R-PAS Summary Scores and Profiles – Page 1

| C-ID: Case RM                           |            |      |     | P-ID: 7    |     | Age: ~25                              |    | Gender: Male |    | Education: 17+ |     |     |       |     |     |         |
|---|------------|------|-----|------------|-----|---------------------------------------|----|--------------|----|----------------|-----|-----|-------|-----|-----|---------|
| Domain/Variables                        | Raw Scores | Raw  |     | Cplx. Adj. |     | Standard Score Profile<br>R-Optimized |    |              |    |                |     |     | Abbr. |     |     |         |
|   |            | %ile | SS  | %ile       | SS  | 60                                    | 70 | 80           | 90 | 100            | 110 | 120 |       | 130 | 140 |         |
| <b>Admin. Behaviors and Obs.</b>        |            |      |     |            |     |                                       |    |              |    |                |     |     |       |     |     |         |
| Pr                                      | 1          | 62   | 104 |            |     |                                       |    |              |    | 100            |     |     |       |     |     | Pr      |
| Pu                                      | 0          | 40   | 96  |            |     |                                       |    |              |    | 95             |     |     |       |     |     | Pu      |
| CT (Card Turning)                       | 7          | 75   | 110 |            |     |                                       |    |              |    |                | 110 |     |       |     |     | CT      |
| <b>Engagement and Cog. Processing</b>   |            |      |     |            |     |                                       |    |              |    |                |     |     |       |     |     |         |
| Complexity                              | 109        | 91   | 120 |            |     |                                       |    |              |    |                |     | 120 |       |     |     | Cmplx   |
| R (Responses)                           | 24         | 55   | 102 | 14         | 83  |                                       |    |              |    | 100            |     |     |       |     |     | R       |
| F% [Lambda=0.26] (Simplicity)           | 21%        | 12   | 83  | 36         | 95  |                                       |    |              |    | 95             |     |     |       |     |     | F%      |
| Blend                                   | 5          | 66   | 106 | 15         | 85  |                                       |    |              |    |                | 110 |     |       |     |     | Bln     |
| Sy                                      | 15         | 97   | 128 | 81         | 113 |                                       |    |              |    |                |     | 115 |       |     | 130 | Sy      |
| MC                                      | 6.5        | 47   | 99  | 3          | 72  |                                       |    |              |    | 95             |     |     |       |     |     | MC      |
| MC - PPD                                | -7.5       | 14   | 84  | 16         | 85  |                                       |    |              |    |                |     |     |       |     |     | MC-PPD  |
| M                                       | 5          | 72   | 109 | 24         | 89  |                                       |    |              |    |                |     |     |       |     |     | M       |
| M/MC [5/6.5]                            | 77%        | 88   | 118 | 85         | 115 |                                       |    |              |    |                |     |     |       |     |     | M Prp   |
| (CF+C)/SumC [1/2]                       | NA         |      |     |            |     |                                       |    |              |    |                |     |     |       |     |     | CFC Prp |
| <b>Perception and Thinking Problems</b> |            |      |     |            |     |                                       |    |              |    |                |     |     |       |     |     |         |
| EII-3                                   | 0.8        | 89   | 118 | 84         | 115 |                                       |    |              |    |                |     |     |       |     |     | EII     |
| TP-Comp (Thought & Percept. Com...)     | 1.2        | 78   | 111 | 65         | 106 |                                       |    |              |    |                |     |     |       |     |     | TP-C    |
| WSumCog                                 | 11         | 74   | 110 | 59         | 103 |                                       |    |              |    |                |     |     |       |     |     | WCog    |
| SevCog                                  | 0          | 35   | 94  | 35         | 94  |                                       |    |              |    |                |     |     |       |     |     | Sev     |
| FQ-%                                    | 17%        | 83   | 114 | 77         | 111 |                                       |    |              |    |                |     |     |       |     |     | FQ-%    |
| WD-%                                    | 12%        | 76   | 110 | 59         | 103 |                                       |    |              |    |                |     |     |       |     |     | WD-%    |
| FQo%                                    | 46%        | 16   | 85  | 21         | 87  |                                       |    |              |    |                |     |     |       |     |     | FQo%    |
| P                                       | 4          | 22   | 88  | 20         | 87  |                                       |    |              |    |                |     |     |       |     |     | P       |
| <b>Stress and Distress</b>              |            |      |     |            |     |                                       |    |              |    |                |     |     |       |     |     |         |
| m                                       | 3          | 81   | 113 | 46         | 98  |                                       |    |              |    |                |     |     |       |     |     | m       |
| Y                                       | 4          | 91   | 120 | 83         | 114 |                                       |    |              |    |                |     |     |       |     |     | Y       |
| MOR                                     | 3          | 87   | 117 | 79         | 113 |                                       |    |              |    |                |     |     |       |     |     | MOR     |
| SC-Comp (Suicide Concern Comp.)         | 7.0        | 93   | 122 | 81         | 114 |                                       |    |              |    |                |     |     |       |     |     | SC-C    |
| <b>Self and Other Representation</b>    |            |      |     |            |     |                                       |    |              |    |                |     |     |       |     |     |         |

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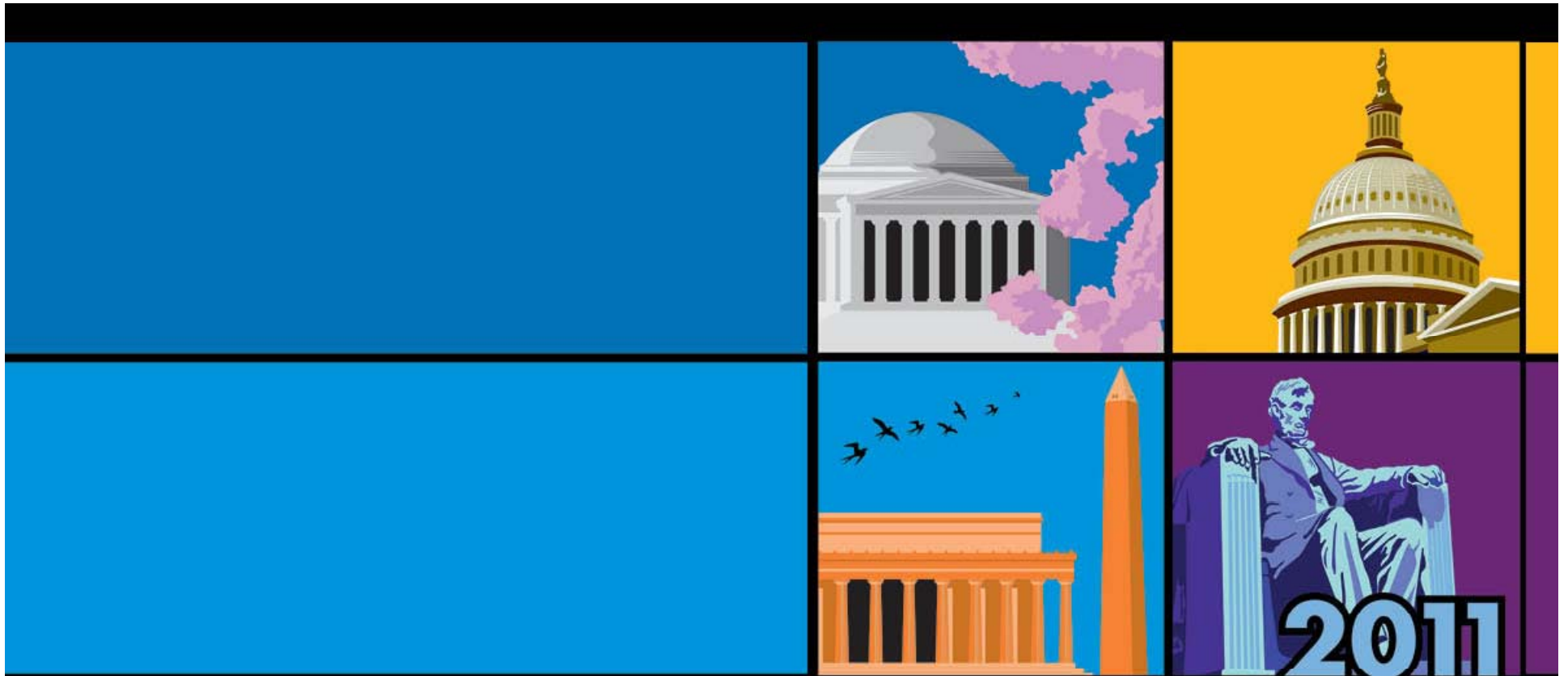
- Secure online scoring program
  - [www.r-pas.org](http://www.r-pas.org)
  - Accessible from any web-enabled device
  - Clinical, Teaching or Research Accounts
    - Cost: Varies from free to \$5 per protocol
  - Does not require any Protected Health Info
  - Protocols can be saved, deleted, shared, or exported
  - Translations underway into multiple languages

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- Overall, R-PAS allows users to make informed inferences about personality, perception, and cognitive processes by comparing a sample of observed problem-solving behavior obtained in a standardized context to internationally based expectations

[www.r-pas.org](http://www.r-pas.org)



# ANNUAL CONVENTION

Gregory J. Meyer, Ph.D.  
[Gregory.Meyer@UToledo.edu](mailto:Gregory.Meyer@UToledo.edu)  
[www.r-pas.org](http://www.r-pas.org)