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Artful Liars: Malingering on the Draw-A-Person Task

Dennis P. Carmody1,* and Angela M. Crossman2


Abstract: Malingering is a form of deception in which one fakes illness to earn (positive or negative) reinforcement. The purpose of the current research was to explore the ability of naïve participants to malinger distress on a clinical, projective measure (Draw-A-Person; DAP). In two experiments, individuals first drew figures of a man, woman, and self. Then, they imagined they were in a motor vehicle accident and drew the figures again as if they were falsely claiming distress from the accident. In Experiment 1, 65 undergraduates participated and in Experiment 2, 70 undergraduates and 40 high school students participated. The drawings were objectively scored using a standardized protocol and 'honest' and 'malingered' drawings were compared. In both Experiments, participants successfully malingered distress and did so by drawing more "primitively", earning lower cognitive ability scores on their malingered drawings. Hence, objectively-scored DAP tasks are vulnerable to deliberate distortion by naïve individuals, though malingering detection may be possible in the future via cognitive skill scores. However, reliance on DAP tasks for diagnostic or forensic purposes currently seems questionable.

Keywords: Deception, posttraumatic stress disorder (PTSD), trauma, cognitive ability, projective tests.

INTRODUCTION

Most individuals are well practiced in deliberate distortion. In fact, whether it is telling little white lies or whoppers, most children are competent liars by the time they reach adolescence (Faust, Hart, & Guilmette, 1988; Quinn, 1988; Talwar & Lee, 2002a, b; Wilson, Smith, & Ross, 2003). They can be very successful when lying to their parents, for example, with only 5% of the adolescents in one study reporting that they were often caught (Knox, Zusman, McGinty, & Gescheidler, 2001). They successfully lie to trained professionals, as well. Faust, Hart, Guilmette and Arkes (1988) found that three adolescents (ages 15-17 years) with minimal instruction were able to fake brain damage on neuropsychological assessments, such that none of the 64 neuropsychologists who participated detected the deception. These findings were replicated with three 9- to 12-year-old children (Faust, Hart, & Guilmette, 1988). Hence, skill in deception of various sorts is acquired before adolescence.

Despite the frequency of lying throughout normal development (DePaolo et al., 2003; Knox et al., 2001; Wilson et al., 2003), it is not clear how adolescents and even adults understand and commit deception in different contexts, particularly those that might be forensically relevant (Carmody & Crossman, 2005). Hence, the first objective of the present research was to explore deception in a relatively novel context, that of feigning a serious psychological impairment (i.e., emotional disturbance). The context was an imagined motor vehicle accident, after which subjects were to claim emotional distress to gain a large sum of money. Such cases can involve forensic psychologists as experts, raising the controversial issue of credibility assessment and how it can be accurately accomplished. Yet, the issue is relevant in additional contexts, as well. That is, in some treatment-oriented settings, individuals may over-report or exaggerate symptoms of poor cognitive or emotional functioning (Kropp & Rogers, 1992; McCann, 1998). As a consequence, there is a growing need to apply reliable, valid, and practical methods for assessing deception among clients and patients, some of whom are adolescents and young adults. Hence, the second objective of the current research was to explore the vulnerability of one projective test, the Draw-A-Person test, to participants’ feigning of emotional disturbance.

Human Figure Drawing

Human figure drawing is a performance-based clinical procedure in which an individual is asked to draw human figures, and these drawings are then analyzed. Although the procedure has gone through different permutations with different names, Draw-A-Person (DAP) task is a generic term for the general procedure, and is the term that will be used here. As with other projective and performance-based evaluation tools, the validity of DAP tasks is debated and attempts to validate the task have led to the evolution of various procedures and scoring systems for DAP tests, some of which are more objective than others (e.g., see Handler, 1984; Sims, Dana, & Bolton, 1983). Among these systems, it appears that procedures emphasizing global quantitative drawing scores (rather than seeking specific ‘signs’ of pathology, such as oversized eyes) are the least problematic and most promising, in terms of validity (Lilienfeld, Wood, & Garb, 2000; Riethmiller & Handler, 1997).
Clinically speaking, human figure drawing is considered to be a relatively non-threatening, nonverbal method for beginning counseling situations (Lev-Wiesel & Hershkovitz, 2000; Riethmiller & Handler, 1997) and, as a consequence, has been used in a variety of settings including prisons, schools, counseling centers and in several cultures. DAP tests are used routinely in educational, psychological, and forensic settings with adults and children with learning, behavioral, and developmental problems (Camara, Nathan, & Puente, 2000; Dykens, 1996). In fact, due to the flexibility of the task, DAP tests have been used in assessments of emotional disturbance, gender identity, cognitive delay, trauma, sexual abuse, and even violently aggressive behavior in prisoners, among others (Aldridge et al., 2004; Lev-Wiesel & Hershkovitz, 2000; Ochoa, Riccio, Jimenez, de Alba & Sines, 2005; Tharinger & Stark, 1990). Moreover, while human figure drawing is frequently used in clinical settings for assessment (e.g., custody evaluations, Ackerman & Schoendorf, 1992; Bricklin, 1984), it also has been used in therapy with children (Burgess & Hartman, 1993; Peterson, Hardin, & Nitsch, 1995; Wilson & Ratekin, 1990).

**Malingering PTSD on a Projective Test**

Serious concerns have been raised about the validity and reliability of the DAP method (Lilienfeld et al., 2000; Smith & Dumont, 1995). Critiques include insufficient training of clinicians using the method (Smith & Dumont, 1995), reliance on unsubstantiated ‘signs’ in drawings as indices of pathology, and redundancy with other, more valid and meaningful measures, such as IQ measures (Lally, 2001; Lilienfeld et al., 2000). Moreover, additional research indicates that some children can be vulnerable to suggestion when their drawings are used to probe memory (Bruck, Melnyk, & Ceci, 2000; Strange, Garry, & Sutherland, 2003).

Yet, beyond questions of task validity and patient vulnerability is the issue of deliberate distortion on the task. It is possible for individuals to deliberately misrepresent themselves in assessment settings, perhaps for their own gain. Specifically, malingering occurs when one fakes or exaggerates an illness or disability to gain a reward or avoid a negative outcome. It has been suggested that some forensic settings (e.g., litigation) encourage symptom exaggeration, at a minimum (Blanchard & Hickling, 1997). Malingering is thought to be common among personal injury litigants seeking compensation, with estimates of the incidence of malingering post-injury psychological symptoms ranging from 1 to over 50% (Resnick, 1997). Hence, standardized instruments are increasingly being used in litigation contexts, perhaps due to their objectivity and the fact that many include empirically tested scales for detecting biased response patterns (Berry, 1995; Guriel et al., 2004).

Given the widespread use of DAP testing, one might ask how vulnerable such tests are to malingering, even when a standardized scoring system is used, as pathological responding on projective testing has been found to be ‘fakable’ (Rogers, 2008; Schretlen, 1997). In particular, in forensic cases where PTSD is at issue, psychological opinion might be requested in court. To the extent that such opinion rests on projective testing, it is problematic. At present, the most commonly used methods for interpreting human figure drawings fall short of meeting the Daubert standard for admissibility in court (Lally, 2001). Moreover, human figure drawing methods do not meet most of Heilbrun’s (1992) guidelines for use in forensic assessment, although reliance on overall rating scales appears to minimally meet these standards (Lally, 2001). An objective rating procedure (i.e., the DAP: SPED, see below) and its overall rating scale at least partially meet a number of guidelines and criteria, with the potential to meet more of the guidelines, if additional research is conducted (Lally, 2001; see also Lilienfeld et al., 2000).

**Objective Scoring**

Clinical use of DAP procedures is common, although it is not clear that such use is warranted or appropriate (Dykens, 1996; Matto, 2002; Smith & Dumont, 1995). Historic reliance on specific ‘signs’ in the interpretation of drawings is not generally supported by the empirical literature (Lally, 2001; Lilienfeld et al., 2000). Recent efforts to standardize evaluation of the projective DAP tasks have resulted in objective scoring systems by Naglieri and colleagues (Naglieri, 1988; Naglieri, McNeish, & Bardos, 1991), which provide cognitive and emotional disturbance scores from drawings. Aggregating scores across components within the scoring systems arguably provides the greatest advantage to using the objective scoring (Riethmiller & Handler, 1997).

The Naglieri scoring systems have been used to evaluate the cognitive scores (Naglieri, 1988) and emotional disturbance scores (Naglieri et al., 1991) of a group of adolescents and adults with mental retardation. Researchers found modest correlations between DAP cognitive scores and vocabulary ($r = .34$) and matrices ($r = .41$) scores on the Kaufman Brief Intelligence Test, and an association was found between emotional disturbance scores and social adaptation from the Vineland ($r = .36$; Dykens, 1996).

Questions remain, however, as to the extent to which these standardized scoring systems are vulnerable to deliberate distortion by adolescents (e.g., Lilienfeld et al., 2000). Of primary concern is the vulnerability of the objectively scored Draw-A-Person task to malingering, which has yet to be tested. Hence, the current experiments examined whether Naglieri’s objective scoring systems might be of value in the detection of intentional feigning of emotional distress through human figure drawings.

**Malingering and Deception Detection**

As noted above, deception is not a foreign practice to individuals. In fact, many are likely to have experience with malingering as well since, by definition, malingering can be as simple as a child claiming illness to avoid taking a test at school. It can also be as complicated as an alleged criminal claiming mental illness to avoid a criminal conviction. However, there currently exists little empirical research on malingering in forensic contexts among adolescents and young adults, particularly when projective tests are used (Rogers, Hinds, & Sewell, 1996), with most models of adolescent malingering based on clinical reports (McCann, 1998). Moreover, although one might argue that projective tests are difficult to mangle, due to a lack of transparency, it is not clear whether younger individuals are capable of doing so. Hence, the current studies provide novel data on the impact on the quantitative global scores when naive participants attempt to dissipulate on a projective measure.
Clinical settings do not appear to be immune to attempts at intentional feigning, and researchers’ best estimate for the prevalence rate of malingering psychopathology is approximately 15.7%, among adolescents in forensic practice (Rogers et al., 1996). Moreover, most individuals are likely to be aware of the potential for material gain following traumatic injury. Indeed, the DSM recognizes that, by definition, some disorders practically invite individuals to deliberately misrepresent themselves in assessment settings for their own gain, particularly post-traumatic disorders (American Psychiatric Association, 1994). Lawsuits in such cases (e.g., suits alleging trauma following a motor vehicle accident) arguably often entail the exaggeration of cognitive impairments or emotional distress in the pursuit of financial compensation, leading to numerous pejorative terms for post-traumatic symptomatology (e.g., compensationitis; etc., Resnick, 1997).

The current research examined the effectiveness of adolescents and young adults to malinger when asked to feign such post-traumatic symptoms following a motor vehicle accident (MVA). These individuals are of particular interest, as they tend to be the group most frequently involved in MVAs (National Highway Traffic Safety Administration, 2001). Given appropriate circumstances, such individuals might experience the temptation (or parental or financial pressure) to feign post-traumatic symptoms in a forensic assessment. Previous findings indicate that young adults are capable of dissimulating trauma following an imagined MVA on a standardized measure — the Trauma Symptom Inventory (Carmody & Crossman, 2005). However, on average, their deception tended to be detectable, though not completely so. If an examiner instead introduced a DAP task to facilitate a patient’s recollection of a traumatic memory, it is not clear whether malingering would be more or less detectable on this projective measure. Hence, the means by which participants attempt to malinger emotional distress on a projective DAP task were explored.

The Current Research

Overall, there were two primary goals of the present research. The first was to contribute to the sparse empirical literature on deception and malingering in psychological testing, particularly among adolescents and young adults. Specifically, the goal was to determine whether these young participants would be capable of fabricating emotional distress in their human figure drawings and, if so, in what way. It was anticipated that participants would be able to feign emotional distress on human figure drawings. The second goal was to examine the vulnerability of the projective DAP task to malingering and explore whether the DAP objective scoring systems might have the potential to detect malingering. Two experiments were conducted with college and high school students to explore these issues.

EXPERIMENT 1

Method

Participants

The participants in this study were 62 undergraduate college students from introductory psychology classes volunteering in exchange for course credit. The sample was 53% female (n = 32), with an age range of 18-22 years (M = 18.92 years, SD = 1.26) and was widely representative in terms of SES (ranging from low to high SES) and race/ethnicity. Ethnic distribution of the participants was 16% African American, 10% Asian American, 45% Caucasian, and 29% Latin American. One female participant was excluded due to failure to draw two figures. The study was approved by the Institutional Review Board at the undergraduate college where data were collected.

Procedure

Participants signed informed consent, provided demographic information (i.e., age, gender, and ethnic identity), and then were asked to draw figures. In the honest condition, standard instructions were followed. That is, participants drew the three figures: man, woman, and self, for a maximum time of five minutes per figure. Participants were instructed to draw complete figures and to draw the best figures possible. Next, a scenario was read to participants to begin the malingering phase of the study:

Suppose you were involved in a motor vehicle accident. Your friends inform you that you may gain a large sum of money if you claim psychological distress. You begin to claim that you have many disturbing symptoms. When you go for an evaluation, the interviewer asks you to draw human figures. Draw the figures as if you are claiming distress as a result of the motor vehicle accident.

After hearing the scenario, participants were asked to draw the figures again (i.e., man, woman, and self) as if they were claiming distress due to the accident. Overall, each individual drew a total of 6 figures. Use of the same participants in both conditions allowed for control of basic artistic abilities and of intelligence between participants (Handler, 1984; Sims et al., 1983). Testing was conducted in small groups of 2-5 participants, and all responses were anonymous.

Rater Training and General Scoring

Prior to scoring the study drawings, the judge completed the training sections of the Examiner’s Manual, which required learning the scoring system, scoring practice drawings, and then completing a competency examination of a new set of drawings that required a minimum competency of 90% correct. All 372 figures were scored for the 64 items on the cognitive assessment and the 55 items on the emotional disturbance assessment, as described below. Scoring was completed by a judge who was not blind to the conditions. Although this may be of concern with a subjective scoring system, there is evidence that knowledge of the status of patients might not affect the objective scoring system of the DAP:SPED (Bruening, Wagner, & Johnson, 1997).

Scoring – Cognitive Scores

Drawings were scored using Naglieri’s (1988) Quantitative Scoring System (QSS), which arguably serves as a valid and reliable measure of nonverbal cognitive ability (Williams, Fall, Eaves, & Woods-Groves, 2006). The three major components of the QSS scoring system are criteria, categories, and items. The 14 criteria include body parts and placement of the parts in relation to others. Four categories for all criteria are presence, detail, proportion, and a bonus. A total of 64 items are scored for completion and the sum of
the 64 items yields an overall score for each figure drawn. Using the test manual, these scores were converted to standard scores, according to chronological age, for further analyses. Higher scores on the QSS indicate higher cognitive abilities.

Naglieri’s (1988) norms for the QSS were based on a geographically and ethnically representative standardization sample of 5-17-year-olds. Coefficient alphas for the 14 criteria on all three drawings ranged from .83 to .89 (for one-year age groups). Reliability coefficients for the individual drawings of man, woman, and self were lower, ranging from .56 to .78, with a median coefficient of .80. Interrater reliability for items was .91 to .94 and for overall scores, was .92 to .95. Concurrent validity of the DAP:QSS with cognitive ability was assessed using the Matrix Analogies Test - Short Form (MAT-SF). Correlations were .29 to .31 for younger children (grades K to 3) and .19 to .27 for older children (grades 4 to 12).

Scoring – Emotional Disturbance Scores

Drawings also were scored using the Screening Procedure for Emotional Disturbance (SPED; Naglieri et al., 1991). The two major components of the scoring system for the SPED are figure dimensions and figure content. Figure dimensions include figure size and placement on the page (9 scores) and figure content refers to details of the drawings (46 details scored as present or absent). The sum of the 55 ratings yields an overall score for each drawing. The raw scores for the three drawings by each participant were summed to yield a total score. Using the test manual, these scores were converted to standard scores, according to chronological age and gender, for further analyses. Higher scores on the SPED indicate higher levels of emotional disturbance.

Naglieri et al.’s (1991) norms for the SPED were based on a geographically and ethnically representative standardization sample of 5-17-year-olds. Coefficient alphas for standard scores ranged from .67 to .78 (for gender and age groups). Test-retest correlation of standard scores was .67, interrater reliability was .84, and intrarater reliability was .83. In this study, as well as in Experiment 2, aggregate scores for both the DAP:QSS and DAP:SPED were used, as they tend to represent the strongest advantage offered by the objective scoring system (Riethmiller & Handler, 1997).

Results

A preliminary multivariate analysis of variance (MANOVA) was used to determine if there were differences in scores for the figures of man, woman, and self. There were no significant differences among the figure drawings in the emotional disturbance or cognitive scores in the honest and malinger conditions, Wilks’ Lambda = 0.99, F (4, 736) = .15, ns, eta squared = .001. Therefore, further analyses used the total scores, composed of the combined scores of man, woman, and self, for the emotional disturbance and cognitive scoring systems.

Table 1 presents the means of the total cognitive and total emotional scores for the honest and malinger instructional conditions. A repeated measures analysis of variance (ANOVA) was performed on the cognitive scores, with condition (honest vs. malinger) as a within-subjects variable and gender as a between-subjects factor. As shown in Table 1, there was a significant main effect for condition, which reflected higher scores in the honest condition than in the malinger condition. A repeated measures ANOVA on the emotional disturbance scores, with condition (honest vs. malinger) as a within-subjects variable and gender as a between-subjects factor, revealed an effect for condition, with higher scores in the malinger condition than in the honest condition.

As shown in Table 1, there were no gender differences in either total cognitive scores or total emotional disturbance scores and no significant interactions between condition and gender.

Discussion

Under instructions to malinger distress, students drew figures that led to higher scores of emotional disturbance and lower scores of cognitive ability. This suggested that perhaps the participants were attempting to fake distress, in part, by “dumbing down” their drawings. However, in considering possible alternatives, it became clear that some of the participants had rushed their drawings, spending less than the full 5 minutes in drawing the best figures possible. This raised the possibility that the findings were related to the motivational level of the participants, rather than to the malinger instructions. Hence, a replication of the study was conducted to determine whether increased attention to the task would alter performance. In addition, a younger sample of participants was included to determine if the findings also occur among adolescents.

EXPERIMENT 2

Method

Participants

Two samples of individuals were included in this study. Sample 1 consisted of 66 undergraduate college students from introductory psychology classes volunteering in exchange for course credit. The sample was 58% female (n = 38), with an age range of 18-22 years (M = 19.23 years; SD = 1.19), and was widely representative in terms of SES (ranging from low to high SES) and race/ethnicity. Participants in this sample were 30% African American, 10% Asian American, 21% Caucasian, 33% Latin American, and 6% mixed ethnicity. One female participant was excluded due to failure to draw one figure. The study was approved by the Institutional Review Board at the undergraduate college at which data were collected.

Sample 2 consisted of 40 high school students. The sample was 62% female (n = 25), with an age range of 14-17 years (M = 16.00 years; SD = 0.78). Participants in this sample were 18% African American, 5% Asian American, 28% Caucasian, 35% Latin American, and 14% mixed ethnicity. Students were recruited based on their voluntary responses to a letter offering the students an opportunity to participate in a psychological study. There were no financial rewards and the data were collected during a homeroom period.

Procedure

The procedure and figure scoring were identical to those used in Experiment 1, with a few minor exceptions. First, in order for the undergraduate participants to receive credit for
participation in the experiment, they were required to complete a debriefing form indicating their knowledge of the purpose of the study, the manipulation involved, the data collected, and the task they were to perform. Students who refused to participate and those who did not complete the debriefing form were not included in the sample.

Second, the younger sample of students signed assent forms and their parents and the high school administrator(s) signed informed consent forms. In addition, for this sample, the test was administered in 50-minute sessions to groups of 12 to 15 students during a homeroom period. Finally, in both the college and high school samples, participants were instructed to draw each human figure for the entire five-minute interval. The resulting 636 figures were scored for emotional disturbance and cognitive ability as described in Experiment 1. Scoring was conducted by judges who were not blind to the conditions (Bruening et al., 1997), but had completed the training reliably, as described in Experiment 1.

Results

A preliminary MANOVA was used to determine if there were differences in scores for the figures of man, woman, and self. There were no significant differences as a function of figure in the emotional disturbance or cognitive scores in the honest and malinger conditions. Wilks’ Lambda = 0.98, $F(4, 1258) = 2.04$, $p > .05$, eta-squared = .01. Therefore, further analyses used the total scores, composed of the combined scores of man, woman, and self, for the emotional disturbance and cognitive scoring systems.

Table 1 presents the means of the total cognitive scores and total emotional scores for the honest and malinger instructional conditions. A repeated measures ANOVA was conducted on the cognitive scores, with condition (honest vs. malinger) as a within-subjects variable and gender and age group (high school vs. college) as between-subjects factors. As shown in Table 2, there was a significant main effect for condition, reflecting higher cognitive ability scores in the honest condition than in the malinger condition. There were no gender differences (see Table 2) and no age group differences in total cognitive scores between high school ($M = 133.26, SE = 3.17, 95\% CI = 126.98$ to $139.54$) and college students ($M = 134.62, SE = 2.41, 95\% CI = 129.83$ to $139.41$), $F(1, 102) = 1.12$, $ns$, eta-squared = .00. Also, the interaction between condition and gender was not significant.

However, there was a significant interaction between age group and condition $F(1, 102) = 10.71$, $p < .001$, eta-squared = .10. To investigate this interaction, change scores were calculated for cognitive scores; the change scores were obtained for each participant from the honest condition to the malinger condition. An independent samples $t$-test found greater changes in cognitive scores for high school students ($M = 22.42, SE = 3.25$) than for college students ($M = 10.39, SE = 2.00$), $t(104) = 3.33$, $p < .001$. Fig. (1) illustrates the cognitive scores as a function of condition, gender, and age group.

Similarly, a repeated measures ANOVA was conducted on the emotional disturbance scores, with condition as a within-subjects variable and gender and age group as between-subjects factors. As shown in Table 2, there was a significant main effect for condition, with higher emotional disturbance scores in the malinger condition than in the honest condition. There were no gender and no age group differences in total emotional disturbance scores, and the interaction between condition and gender was not significant.

However, the main effect of instructions on emotional disturbance scores was qualified by significant interactions between condition and gender, $F(1, 102) = 4.72$, $p < .05$, eta-squared = .04, and between condition and age group, $F(1,
The change in emotional disturbance scores from the honest condition to the malinger condition is attributable to the concurrent change in cognitive scores. To examine this possibility, a repeated measures analysis of covariance was conducted on the emotional disturbance scores, using the change in cognitive scores as a covariate, with condition as a within-subjects factor and gender and age group as between-subjects factors. There was a main effect of condition, \( F(1, 101) = 13.55, p < .001, \) eta-squared = .12, with higher scores in the malinger condition (\( M = 19.34, SE = .70, 95\% CI = 17.95 \) to 20.74) than in the honest condition (\( M = 14.68, SE = .57, 95\% CI = 13.55 \) to 15.80). In addition, there were significant differences in scores between high school (\( M = 21.95, SE = .96, 95\% CI = 20.05 \) to 23.85) and college students (\( M = 12.07, SD = .72, 95\% CI = 10.65 \) to 13.49), \( F(1, 101) = 65.42, p < .001, \) eta-squared = .39. No other results were significant. Therefore, the increases in emotional disturbance scores from the honest condition to the malinger condition are not attributable to the corresponding change in cognitive scores.

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Discussion

Results from both high school and college student samples suggest that adolescents and young adults are capable of feigning distress on the task. However, their technique, as detected by the Naglieri scoring system, seems to involve drawing figures that are more primitive than they are capable of drawing. Of course, the tactics chosen by the participants in this study may differ from those used by individuals to feign trauma in a forensic setting. Hence, future research might investigate the usefulness of the cognitive ability scale in detecting deceptive responding.

Three methods used to interpret drawings are typically identified (Lally, 2001). First, clinicians and researchers use their global qualitative impression to arrive at conclusions about the artist’s personality characteristics and level of pathology. This widely used method involves little or no formal scoring, and the interpreter relies on their phenomenological experience of the drawing, affective or visceral reac-

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1 Thank you to Kang Lee for pointing out this possibility.
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Table 2. Draw-A-Person Scores by Instructions and Gender, Experiment 2

<table>
<thead>
<tr>
<th>Scores</th>
<th>Instructions</th>
<th>F value (1, 102)</th>
<th>P level</th>
<th>ES</th>
</tr>
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<tbody>
<tr>
<td>Cognitive</td>
<td>Honest M (SE) 95% CI</td>
<td>142.45 (2.34)</td>
<td>137.82, 147.09</td>
<td>86.34</td>
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<tr>
<td>Emotional</td>
<td>Malinger M (SE) 95% CI</td>
<td>125.43 (2.04)</td>
<td>121.39, 129.47</td>
<td>75.23</td>
</tr>
</tbody>
</table>

Scores by Gender

<table>
<thead>
<tr>
<th>Gender</th>
<th>Honest M (SE) 95% CI</th>
<th>F value (1, 102)</th>
<th>P level</th>
<th>ES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Females</td>
<td>Cognitive</td>
<td>134.94 (2.50)</td>
<td>129.99, 139.89</td>
<td>0.25</td>
</tr>
<tr>
<td>Emotional</td>
<td>9.28 (0.62)</td>
<td>8.05, 10.52</td>
<td>9.17 (0.66)</td>
<td>0.10</td>
</tr>
</tbody>
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Malingering on the Dap Task...
CONCLUSIONS

Overall, this analysis makes clear the need for great caution in the use and application of DAP projective testing. In the limited pursuit of rapport-building with clients, it might have some clear advantages over various other clinical techniques. The DAP task might allow patients to express themselves non-verbally in relatively unthreatening ways (Riethmiller & Handler, 1997). Alternatively, its use late in an interview to jog additional memory, as suggested by Aldridge et al. (2004), could be beneficial. However, consistent with data on relatively conservative rates of administration (Archer, Buffington-Vollum, Stredny & Handel, 2006), the use of drawing as a diagnostic or forensic tool is currently questionable, particularly given sparse, but clear, information regarding the potential for malingering on such a measure.

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