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Are All Perspective Taking Tasks Created Equal? The Relationship Between Performance on Perspective Taking Tasks in Children

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Are All Perspective Taking Tasks Created Equal? The Relationship Between Performance on Perspective Taking Tasks in Children



reliability in these measures in the lab

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Introduction Method Results Spatial abilities assist in manipulating, Participants: N = 59; Mage = 6, Range 4-9 Correlation Partial Correlation constructing, and navigating the physical world (Newcombe & Shipley, 1992; Montello, 2001). **Piaget's Three Mountain Task** Perspective taking is a specific spatial ability Descriptive Statistics Valid N (listwise) Participants were seated at a table that faced a display of that allows someone to understand or perceive Mean N Deviation Std. three model mountains that included: a small red mountain Deviation N 55 Mean Perspective_Takin 19.42 5.072 something from another point of view that is 55 Perspective_Taking Three Mountain 15.91 4.398 19.30 5.099 56 with a pink flower, a white mountain with a pink flower different from one's egocentric view. 6.25 1.868 55 Three_Mountain 15.86 4.298 58 (second tallest), and a green mountain with a red star (tallest). □ The overall goal of this study was to examine Correlations Correlation -Participants were asked to identify and distinguish the Perspective the relationship between two commonly used Taking Three_Moun Perspective_Taking Pearson Correlation .463 mountains spatial perspective taking tasks- Piaget's Three Sig. (2-tailed) ignificance (2-tail .000 -Participants were then asked to walk around the table and 55 Mountain Task and a perspective taking task 058 .463 Pearson Correlation 1 ignificance (2-tailer 675 modeled after a study by Newcombe and identify which mountains were visible and not visible. Sig (2-tailed 000 55 58 Huttenlocher (1992). -Participants returned to their seated position where the *. Correlation is significant at the 0.01 level (2-tailed). researcher moved a stuffed animal around the mountains □ *Hypothesis*: The two tasks would be highly and asked participants to identify the stuffed animal's Discussion correlated, even when controlling for age, as viewpoint based on a book of pictures of the mountains. they are both meant to measure the same Consistent with predictions, the two perspective-taking construct of perspective taking. tasks were moderately and significantly correlated (r=.46). **Perspective Taking Task** However, after running a partial correlation controlling for Participants were seated at a table and were asked to identify age, the correlation was no longer statistically significant the perspective of one of four stuffed animals presented in (r=.06).front of them at four specific viewpoints. To aid in identifying These results could indicate that the tasks may not be animals located on their left or right sides, a sticker was uniformly measuring the same type of perspective taking, placed on the left and right hand of the child to identify their such as a difference in construct or difficulty. observations. For example, when prompted a child might This study lays the groundwork for looking at validity and respond "on the star side of my body."

Illustration of 3 Mountain Task

Illustration of Perspective Taking Task