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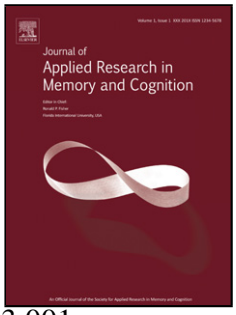

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A Hierarchy of Expert Performance (HEP)

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Abstract

Expert performance across domains can be quantified by examining reliability and biasability between and within experts, and teasing apart their observations from their conclusions. I utilize these parameters to develop a Hierarchy of Expert Performance (HEP) that includes eight distinct levels. Using this hierarchy I evaluate and quantify the performance of forensic experts, a highly specialized domain that plays a critical role in the criminal justice system. Evaluating expert performance within HEP enables the identification of weaknesses in expert performance, and enables the comparison of experts across domains. HEP also provides theoretical and applied insights into expertise.

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