

# Visualization of the Linkages of Intelligence and Brain Size using SMART PLS

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**Abstract**—Whether intelligence & size of human brain are related has been an intriguing question for many researchers, it is usually believed that these are related to each other but to a weaker extent. Yeo, Turkheimer, Raz and Bigler, 1987) reported a correlation ( $r$ ) equal to 0.07 only, while Willerman et al. (1991) indicated that larger brain size is associated with higher I.Q. Spocter (2017) narrated that brain size is an important consideration to understand underlying neural correlates of intelligence. The present study involves re-examination of the brain size- intelligence relationship using Willer's Data by application of SMART PLS and allied software, so as to check out whether controlling for errors more appropriately will lead to establishment of more clearer picture regarding the intelligence-brain size relation. It is hoped that the results of the study will add to the existing literature and prove the efficacy of using modern testing approaches in establishing and explaining intricate relationships in a more clear way.

**Keywords:** Brain size, Intelligence, test, theory.