

Queen's Psychology Clinic Proposal for CISC 498 Project 2024-2025

Title: Visualizing the Psychological Assessment Report Using a Computerized Template

Customer: Dr. Sheelagh Jamieson, C.Psych, Director, Queen's Psychology Clinic

Background:

The Psychology Clinic at Queen's University was established in 2005 in order to provide top quality training experiences for students in the Clinical Psychology Graduate program as well as to help meet community needs for psychological services. Today, the Clinic offers psychological assessment, consultation, and therapy for children, adolescents, and adults in the Kingston and surrounding areas. The current project proposal focuses on the assessment and report process.

Psychological assessments are designed to help us understand a person's unique strengths and needs in a variety of areas, including intellectual, academic, emotional, social, and behavioural functioning. The psychological assessment process is very comprehensive and upon completion of the assessment, a psychological report is prepared in order to provide a summary of the findings, diagnostic conclusions, as well as recommendations for clients.

Traditionally, psychological assessment reports are text-based and cater more to the verbal learner. In order to provide a more wholistic and client-friendly feedback that incorporates different learning styles, the Clinic Director has introduced a blended reporting system that incorporates both visual and written summaries of assessment findings. The visual component either involves graphing data or placing information in a table. Graphs are organized according to areas of functioning (e.g., intellectual, academic, visual-motor) with decisions being made about what components of these areas are to be incorporated into the report. In addition, results are categorized according to percentiles which are then categorized according to the Normal/Gaussian Distribution Curve. For example, a client whose scores fall between the 25 to 74th Percentile would be categorized as having "Average" abilities in an area; 75 – 90 as "High Average", etc.

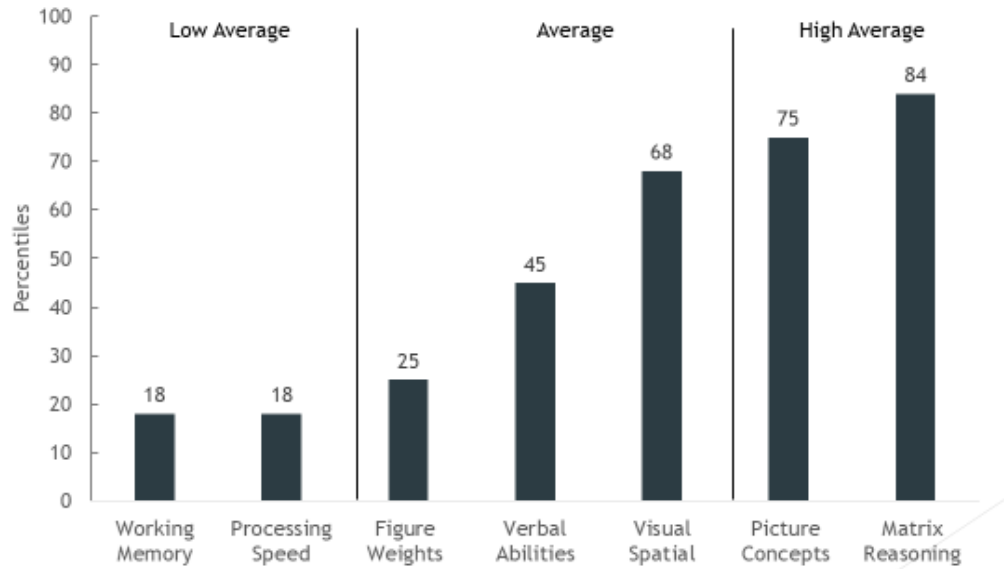
Request:

While graphs are created in excel, there is a lot of manual work and time consumed in creating the images to group them into categories and to draw lines, insert text boxes, etc. to represent the findings in an accurate and understandable manner. In addition, there are other areas of the report that require formatting that can be cumbersome.

The Clinic would like to explore whether there is a manner to create a report-writing template that will save this type of work and help us to format a psychological report in the best way possible for our clients.

See sample graph attached.

Cognitive Abilities (Thinking)



Percentile is a ranking that indicates the percent of same-aged individuals who receive an equal or lower score. Percentile score ranges are described as follows: Very Superior – 98 and above; Superior – 91 to 97; High Average – 75 to 90; Average – 25 to 74; Low Average – 9 to 24; Borderline or Weak – 2 to 8; Extremely Weak – below 2.