In 2020, Academic Assessment Services successfully launched PSAM (Post Secondary Academic Measure), a program designed to enhance the analysis of the HSC, the VCE or QCE and IB results. PSAM is primarily designed to assist schools in improving teaching and learning practices and identifying students who will benefit from early intervention.

Schools in NSW, Victoria and Queensland have responded positively to PSAM. School feedback has also led to the introduction of significant new features, including the new PSAM Forecaster, which uses predictive statistical modelling to estimate each student's scaled results and ATAR throughout Year 12.

In the background, PSAM uses proprietary algorithms to calculate highly accurate estimates of each student's scaled scores and ATAR. PSAM then uses these scaled results in a range of dynamic analyses. PSAM maps patterns of performance at the student, class, subject, department, and general cohort level. From these analyses, users can investigate differences in student performance across subjects, as well as differences between the performance of students in different subjects and/or classes.

An important PSAM feature is the Measure of Expected Performance (MXP). The MXP is the expected scaled result for each student in each subject. That is, the MXP is not a prediction, but an estimate of what each student should have achieved in each Year 12 course, given their underlying ability, as measured by the Year 9 NAPLAN test or Year 10 AAS General Reasoning test. Results are aggregated in a variety of ways, including at the class, subject, department and general cohort level.

PSAM can be used to:

- Design targeted teaching and learning strategies and early interventions
- Better understand how different subjects contribute to the aggregate and ATAR
- Analyse how different patterns of study impact the ATAR
- Compare and analyse results over time
- Examine the impact of specific academic interventions
- Analyse the success of acceleration programs
- Create custom groups for deeper analysis
- Assist in the provision of specific subject selection advice

When combined with AAS testing, partner schools are able to develop evidence-based understandings of the academic standing of different cohorts of students.

Contact

Dr. Paul Montuoro
Chief Psychometrician
Email: paul.montuoro@academicassessment.com.au

Matt Simpson
Manager Learning Analytics
Email: msimpson@janison.com

+61 (0) 2 9904 4933

www.academicassessment.com.au
www.janison.com

Powered by
Janison.