PSAM AAS
POST SECONDARY ACADEMIC MEASURE
ATAR ESTIMATION AND ANALYSIS

Academic
Assessment
Services
Since 1974

Post Secondary Academic Measure
ATAR Estimation and Analysis

Academic Assessment Services is pleased to announce the release of a new program to enhance the analysis of HSC and IB results. **PSAM** (Post Secondary Academic Measure) provides a comprehensive and in-depth analysis of Year Twelve results.

While the University Admissions Centre (UAC) produces scaled marks which it aggregates to provide a rank for tertiary entry, schools would benefit significantly through access to a program that would allow them to better understand and use estimates of scaled scores to enhance academic outcomes for their graduates.

Many schools report that students are continuing to attempt to 'play the ATAR system' either selecting courses for which they are unsuited as they feel that they will gain an advantage, or selecting easier courses which they believe will allow them to maximise their results.

Access to accurate estimates of individual student and cohort scaled scores will allow schools to address this issue at the time of subject selection, but will also allow schools the opportunity to use quantitative data to analyse the performance of individual students and cohorts on a subject by subject basis. The ability to study longitudinal data will allow schools to track the success of interventions that have been implemented on a subject by subject basis.

When analysed in conjunction with AAS profile test data, an even clearer picture of the performance of each group of students can be ascertained.

AAS uses data from the Results Analysis Package (RAP)and specially developed algorithms to estimate each student's scaled marks. We provide precise estimates of each student's scaled mark in each course, as well as generating the **PSAM**, an estimate of each student's final ATAR. These estimates have been successfully validated using large data sets against real ATARs.

AAS produces detailed reports for each student, course, class and department.

For schools also offering the International Baccalaureate® Diploma (IB), AAS reports each student's course and IB results, an ATAR equivalent and detailed analyses of these results. The IB analyses can be viewed in conjunction with HSC results or independently.

Benefits

- Systematically track Year 12 performances over time
- Use valid data to make informed academic decisions
- Measure the School's successes
- Understand and apply scaling to subject advice
- Better assist students in appropriate subject selection
- Measure outcomes of interventions

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PSAM Reports

General Trends in HSC and International Baccalaureate Performance

Longitudinal HSC (and IB if applicable) Reports of NESA Marks, AAS Scaled Marks, and the PSAM

- Take a snapshot of historic course and **PSAM** performances
- Construct highly intuitive longitudinal analyses to track complex trends

Course Reports for Students, Classes and Courses

- Inspect individual student course performances
- Analyse and compare NESA marks and AAS scaled marks in classes and courses
- Identify patterns in student performance in each course
- Explore how students in any particular course perform in other courses
- Careers advice support with dynamic NESA-UAC mark conversion graphs

PSAM Reports for Cohorts

- Visualise simple student-by-student **PSAM** distributions
- Visualise the frequency distribution of **PSAM** results
- Critically review how different courses contribute to **PSAM**

What is the fee?

PSAM is cost effective and is directly related to the size of your school's Year 12 enrolment.

The fee includes professional support to assist the School unpack the data and support its uses.

AAS is also committed to partnering with client schools to develop new **PSAM** analyses.

Introductory Offer

AAS is currently offering a five-year analysis of historic data (2015-2019) for participating schools at no charge.

How the process begins

Please contact us for a demonstration of **PSAM** features:

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Lead Developer of PSAM

Dr. Paul Montuoro

PhD (Educational Psychology), MEd (Psychometrics), BBus (Hons 1), GradDipEd

Paul joined Academic Assessment Services in 2017 as our chief psychometrician. Paul has had a long career in education and educational research both at La Trobe University and more recently at the University of Western Australia.

Over the past 18 months, Paul has liaised with AAS schools in the development of **PSAM**, ensuring that schools have had a direct input in the program's development and features.

Paul is also responsible for the validation and ongoing development of all AAS tests, and the development of the National Progress Index (NPI). The NPI scale is compatible with the NAPLAN scale and allows AAS tests and NAPLAN to be used in conjunction to measure student growth over time.