

APPLICATION FOR ACCREDITATION

Name:	<input type="text" value="Ms"/>	<input type="text" value="Industry"/>	<input type="text" value="Anne"/>
	<i>Title</i>	<i>Surname:</i>	<i>Given name</i>
Address:	<input type="text"/>		
	<i>Street name and number</i>		
	<input type="text"/>		
	<i>Suburb/locality</i>		
	<input type="text"/>		<input type="text"/>
	<i>State</i>		<i>Postcode</i>
Email:	<input type="text"/>		
Telephone:	<input type="text"/>	SSA Membership No:	<input type="text"/>
Fax:	<input type="text"/>	SSA Branch:	<input type="text"/>

Please summarise your claims for accreditation referring to the accreditation criteria in the information sheet. Include a summary of professional positions held, including honorary positions.

I graduated from the University of Australia (UA) in 1998 with a Bachelor of Science Degree, majoring in Mathematical Statistics and Applied Mathematics, with First Class Honours in Mathematical Statistics.

I have worked as a professional statistician since January 1998, having held employment with both the Australian Bureau of Statistics (over five years) and a large commercial statistical consultancy firm (XYZ Consulting) (10+ years). More details of my work in these positions follows.

I commenced my statistical career with full time work in the Methodology Division (Statistical Services Branch) of the ABS, Canberra, in January 1998. I worked at the ABS for five years, successfully completing the (*examples*) courses, as well as gaining practical experience in (*examples*). Examples of surveys I worked on during my employment with the ABS include (*examples*). I left the ABS in the position of Senior Research Officer, in August 2003.

In September 2003, I commenced work as a Consultant Statistician with XYZ Consulting. I quickly took the lead role in many survey and demographics projects being undertaken by the firm, building on the theoretical and practical knowledge I gained at the ABS, as well as gaining experience in many other aspects of statistical review, analysis and forecasting, via working on numerous and varied consulting projects.

In 2006 I was promoted to Senior Consultant Statistician, a role which entails a high degree of statistical leadership and responsibility – not only being responsible for my own work, but also in developing statistical methodologies and directing, advising, mentoring and signing off on the methodological work undertaken by more junior colleagues.

While I am still a practising Statistical Consultant in my own right, a large part of my role involves taking responsibility for mentoring, training and the professional development of colleagues, which I provide through on the job training via project work and also through planning, preparing and delivering formal training presentations to staff. I have been host supervisor for a number of third year statistics students completing their industry placement unit at UA and have managed and supervised a number of work experience students. I have assisted with the statistical development and training of over 20 statisticians.

I have been an active member of the statistical community for about 10 years, having served as a committee member of the Statistical Society of Australia (Branch) from 2003 to 2009 and having been involved in the National Young Statisticians group. I attend most monthly meetings of the SSA (Branch), and continue to assist with the support and development of young statisticians and young statisticians' activities in my state.

I have maintained my professional development via on the job training and experience, personal reading of statistical texts in a variety of applications and areas of statistics, attendance at conferences (*examples*) and participation in training courses and seminars (including *examples*).

Please provide details of study with a substantial statistical content. Include title of degree, honours level (if applicable), awarding institution, year awarded and brief summary of the statistical content. If known, specify the proportion of credit points for statistical subjects within each year of study. Please provide a certified copy of your academic qualifications.

I completed a Bachelor of Science degree, majoring in Mathematical Statistics and Applied Mathematics, and graduated with First Class Honours in Mathematical Statistics. My Honours degree was awarded by the University of Australia in 1998. The latter years of my degree were heavily based on statistical and applied mathematics units, with the earlier years' statistics and mathematics units complemented by accounting, economics and computer science courses.

A summary of the statistical component of my degree, and other mathematics units, follows:
1st year – Probability and Statistics (approx 10% load); Calculus (approx. 20% load); Linear Algebra (approx. 10% load). Load complemented by accounting, economics and computer science.

2nd year – Introduction to Probability Theory (approx 9% load), Introduction to Statistical Inference (approx 9% load); Calculus, Linear Algebra and Mathematical Methods (approx. 36% load), Optimisation and Linear Programming (approx. 9% load); Applied Mathematical Modelling (approx 9% load). Load complemented by accounting.

3rd year – Sample Surveys and Design of Experiments, Industrial Statistics and Total Quality Management, Applied Statistical Methods (37.5% load); Mathematical Methods and various Applied Mathematics units (62.5% load).

4th year – Probability Theory, Advanced Inference, Generalised Linear Models and Discrete Data, Biostatistics, Multivariate Methods and Time Series, Honours dissertation in statistics, titled “(insert title)” (90% load); Other mathematics units (10% load).

My Honours dissertation involved (*subject and methodology to be included*).

A copy of my academic qualifications are attached.

Please provide details of up to five recent publications, reports or other materials, which best demonstrate your level of competence in the application of statistical methods. Candidates must have taken responsibility for the statistical content of their work for at least three years of the qualification period, so it is important that you summarise your statistical contribution to those publications or reports that are jointly authored. Copies of at least two of these publications or reports should be included with your application.

Example 1 - Survey into (Example) (consulting report attached – reference XX123)

Provide detail including statement of the issue, methodology and analysis methods.

I led the development and provided recommendations of all aspects of the survey methodology and reporting. Under my direction, I worked with a Consultant Survey Researcher within our company on this project, including her assistance in the report write-up.

Example 2 – Modelling and Forecasting of (Example)

Provide detail including statement of the issue, methodology and analysis methods.

As well as being involved as a major contributor to the methodological development in collaboration with other staff, I undertake (or lead other consultants to undertake) the detailed statistical research necessary to finalise and validate the details of the higher level proposed methodologies. This includes methodological leadership, implementation advice, ensuring appropriate implementation of the big picture methodologies at a detailed level, including making day to day decisions regarding data issues, details of the statistical modelling, determining appropriate model diagnostics and other outputs needed to enable informed decisions to be made and signed off.

Example 3 – Contribution to (*Example*) (consulting report attached – reference ZYX123)

Provide detail including statement of the issue, methodology and analysis methods.

As well as leading the regression modelling review, I provided advice as to how to deal with incomplete data and other data issues.

As well as estimating the output measures, a suite of informative tables and plots were created from the estimated profiles obtained from the model, including an indication of the variability of the estimates.

I worked collaboratively with a junior colleague on all aspects of this project. I led the methodology development, provided advice and review at all stages, undertook quality assurance, and took responsibility for all results.

PRACTICAL EXPERIENCE AS STATISTICIAN

Please provide details of current and previous positions relevant to this application. Indicate the nature of the work and the level of responsibility taken for the statistical content of your own work and that of those you are supervising (continue on separate sheet if necessary).

Position and Duration	Details of responsibilities and activities
<p>XYZ Consulting, September 2003 to current</p>	<p>I joined XYZ Consulting in 2003 in the role of Consultant Statistician. In 2006 I was promoted to the role of Senior Consultant Statistician, a designation I still hold today, jointly with my role as Consulting Manager, a position held since July 2009.</p> <p>Throughout my time at XYZ Consulting I have worked on numerous client focused statistical projects, with increasing levels of responsibility for the statistical content of my own, and others', work. I have been primarily responsible for the statistical content for both my own and others' work for over five years.</p> <p>The types of work that I have undertaken in this role include:</p> <ul style="list-style-type: none"> * Survey design, with a focus on complex sampling, weighting, estimation and analysis, but also survey management and questionnaire design. * Statistical modelling, including linear and generalised linear modelling in numerous contexts. * Forecasting, including population forecasting, demand forecasting for courts and other building infrastructure, electricity demand forecasting. * Reporting on statistical consulting projects, with a readership ranging from the highly statistically literate to those with little statistical knowledge. * Providing statistical advice to clients and potential clients on a number of issues. * Training and development of colleagues, both junior and senior staff. <p>My professional CV is attached with further examples of my work.</p>
<p>Australian Bureau of Statistics, January 1998 to August 2003.</p>	<p>I was employed by the Australian Bureau of Statistics as a Cadet in 1997. On the completion of my Honours year in 1997, I commenced full time work with the Australian Bureau of Statistics' Methodology Division (Statistical Services Branch) in January 1998, in the role of Research Officer. I was employed in the role of Senior Research Officer when I left the Bureau in August 2003.</p>
	<p>Whilst at the Bureau, I successfully completed the (<i>Examples</i>) courses as well as gaining significant practical experience in (<i>Examples</i>).</p>

REFEREES

Please nominate two referees who may be approached by the SSA. Both of these should be able to comment on your professional competence from first hand knowledge of your statistical work. (One of these should be a statistician of seniority in the profession.)

	First Referee (Senior Statistician)	Second Referee
Name:	Dr John Doe Manager XYZ Consulting	Mr David Smith xxx
Address:	Role: Current employer	Role: Current major client and collaborating consultant.
Email:		
Telephone :		
Fax:		

DECLARATION

I certify that the information provided in this application form is true and correct. If my application to be a Accredited Statistician is successful I agree by the Code of Conduct of the SSA. It is intended to list Accredited Statisticians on the SSA's web site unless they object. I agree/disagree (delete one) to have my name included on the web site.

Signature: _____ Date: ____/____/____

**Chair, Accreditation Committee
Statistical Society of Australia Inc.
PO Box 213
BELCONNEN ACT 2616**

Payment to be provided at time of application.

Electronically submitted applications preferred.