

## **An example of a CPD submission by a Senior Lecturer in Statistics in an African university**

### **Commentary**

The attached submission was made by a CSci registrant who was selected for audit as part of the CSci revalidation process in 2012. The submission consists of:

- a. A 12 month summary (October 2011 to September 2012 inclusive) of the CPD programme taken from the RSS online CPD system.
- b. A completed *Chartered Scientist CPD Revalidation Form*. This form contains the relevant context and reflection information necessary to assess the CPD activity against the Science Council's standards.

As this registrant had used the RSS online CPD system, both the *reviewed Activities* and *Benefits Gained* reports were submitted. In combination they provide information on the categories of activities undertaken, the number of learning hours undertaken and the reflective practice comments describing the benefits of each activity.

The panel of assessors concluded that this submission fully met the Science Council CPD standards, including the requirements of the RSS CPD Policy.

The submission has been (partially) anonymised for the purpose of providing this exemplar of good CPD practice.

## REVIEWED ACTIVITIES REPORT

Activity Type	Title	Start Date	End Date	Learning Hours
Professional activity	Annual Conference of the Economic Society (	27/08/2012 00:00	30/08/2012 00:00	18
Formal / Educational	Africa Programme on Accelerated Improvement of Civil Registration and Vital Statistics (APAI-CRVS)	04/02/2012 09:00	04/04/2012 17:00	25
Professional activity	Article Review	24/03/2012 00:00	24/03/2012 00:00	2.5
Professional activity	Conversion Examination	22/03/2012 00:00	22/10/2012 00:00	2.5
Professional activity	Conversion Examination	25/10/2012 00:00	25/10/2012 00:00	2.5
Professional activity	ECONOMETRIC WORKSHOP ON PANEL DATA MODELS - Module 3	24/09/2012 00:00	28/09/2012 00:00	6
Professional activity	ECONOMETRIC WORKSHOP ON TIME SERIES MODELS - Module 2	25/06/2012 00:00	29/06/2012 00:00	6
Professional activity	Econometrics For Researchers Training Workshop - Module 1	16/04/2012 00:00	20/04/2012 00:00	6
Formal / Educational	Macroeconomic Modelling Workshop	01/08/2012 11:00	01/11/2012 17:00	30
Formal / Educational	Modelling the Impact of Macroeconomic Policies and Shocks	07/09/2012 09:00	20/07/2012 13:00	40
Professional activity	Ph.D Oral Examination	24/05/2011 10:00	24/05/2011 12:00	2
Professional activity	Ph.D Oral Examination	10/12/2012 00:00	10/12/2012 00:00	2.5
Formal / Educational	Research Proposal	16/01/2012 00:00	29/01/2012 00:00	25
Professional activity	REVIEWING AND UPDATING THE MACROECONOMETRIC MODEL OF THE ECONOMY	03/12/2012 00:00	14/03/2012 00:00	20
Work based learning	Training Workshop on Responsible Conduct in Research	25/07/2012 09:00	26/07/2012 17:00	14
<b>TOTAL</b>				<b>202</b>

BENEFITS GAINED REPORT				
Title	Learning Hours	Activity Description	Benefit to Practice	Benefit to Users
<p>█████ Annual Conference of the █████ Economic Society █████</p>	18	<p>The █████ Annual Conference of the █████ Economic Society was held at █████ with the main theme Youth Employment and Poverty Reduction in █████ . I gave an invited paper in the special Special Panel Session on Econometrics on Thursday, █████ August 2012 during the conference. The title of the paper is: THE BAYESIAN APPROCAH TO MODERN ECONOMETRIC ANALYSIS: █████</p>	<p>My participation in the conference provided a good networking opportunity with students, practitioners, policy makers and economists. I also used the occasion to discuss recent developments in econometrics.</p>	<p>The participants were able to distinguish between the Classical approach and Bayesian approach to econometric modelling.</p>

<p>Africa Programme on Accelerated Improvement of Civil Registration and Vital Statistics (APAI-CRVS)</p>	<p>25</p>	<p>It was a Trainers' Training programme jointly organised by Statistics South Africa (StatsSA), Africa Symposia on Statistical Development (ASSD), the United Nations Economic Commission for Africa and World Health Organisation/Health Metrics Network (HMN). The orientation workshop was held in Pretoria, South Africa. The core contents of the workshop include</p> <ul style="list-style-type: none"> <li>- The APAI- CRVS initiative in Africa</li> <li>- The importance of CRVS for demographic and vital statistics, for public health statistics and for monitoring progress towards the Millennium Development Goals (MDGs)</li> <li>- Linkages between CRVS and human rights, legal and governance systems such as legal documentation, national identification systems etc.</li> <li>- Strategies for improving CRVS, including how to undertake assessment and prepare country improvement plans</li> <li>- Legal framework for CRVS</li> </ul>	<p>I benefited in the following ways</p> <ol style="list-style-type: none"> <li>1. I was oriented to the goals and objectives of the APAI-CRVS and the multi-sector approach to sustainable national CRVS systems development</li> <li>2. I had an increased knowledge of and capacity to use tools to critically evaluate civil registration and vital statistics, and to be able identify interventions for improvement.</li> <li>3. I became aware of tools available to evaluate the quality of vital statistics.</li> <li>4. I understood the potential of verbal autopsy techniques and their usage in settings with inadequate medical certification of cause of death.</li> <li>5 I was motivated to take supporting roles in my country to stimulate high level political commitment for CRVS.</li> <li>6. I was challenged to identify national stakeholders in my country and to outline their roles and responsibilities in CRVS systems.</li> </ol>	<p>If given the opportunity, my country - [REDACTED] stands to benefit in the following ways:</p> <ol style="list-style-type: none"> <li>1. I can now help to build a pool of technical resource persons to support the CRVS initiative at all levels (local to national).</li> <li>2. I can now help to take stock of and assemble relevant tools and materials relevant for strengthening CRVS system in the country.</li> <li>3. I can now help to critically evaluate the functioning and quality of CRVS systems, and also develop improvement strategies or plans.</li> </ol>
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Article Review	2.5	<p>I reviewed an article for the Central Bank of [REDACTED] Journal of Applied Statistics [REDACTED] The title of the paper is - Cost of Governance and the Empirics of the [REDACTED] Welfare Question: An ARDL Option.</p>	<p>It enhances my professional relevance and expertise.</p>	<p>I help to ensure that the articles accepted for publication in the journal are of standard and good quality.</p>

Conversion Examination	2.5	<p>Internal/External Examinar and member of assessment panel appointed for the conversion examination from M.Phil/Ph.D to Ph.D of [REDACTED] in the Department of Economics.</p> <p>The title of the proposal submitted for assessment is: Impact of HIV/AIDS Epidemic on Human Capital Development and Economic Growth in West Africa</p>	Recognition of my intellectual competence and authority in statistical theory and applications.	The candidate was able to benefit from comments and suggestions made towards improving the quality of his Ph.D thesis.
Conversion Examination	2.5	<p>Internal/External Examinar and member of assessment panel appointed for the conversion examination from M.Phil/Ph.D to Ph.D of the [REDACTED] in the Department of Economics.</p> <p>The title of the proposal submitted for assessment is: Foreign Direct Investment and Growth in the Context of Regional Economic Integration: The Case of ECOWAS and SADC</p>	It is an acknowledgement of one's intellectual competence in statistical theory and practice.	The candidate and other panel members benefited from the contributions made on some aspects of statistical inferences made by the candidate.

ECONOMETRIC WORKSHOP ON PANEL DATA MODELS - Module 3	6	I served a Resource Person in the workshop. The course is arranged in three broad phases: structure of panel data; specification of panel data models with their underlying assumptions and the estimation procedures. Relevant practical illustrations are also provided to appreciate panel data applications.	It helps to promote my career and professional goodwill among the growing population of applied econometric researchers in [REDACTED].	Participants were able to deal with panel data, specify and estimate panel data models and perform relevant diagnostic tests. Also, they could use panel data models for policy decisions.
ECONOMETRIC WORKSHOP ON TIME SERIES MODELS - Module 2	6	I served a Resource Person in the workshop. The course begins with a basic introduction into the concepts of stationary and non-stationary processes. Thereafter, the different versions of Random Walk Models (RWM) as well as relevant techniques for unit root tests are analyzed. Consequently, the concepts of spurious regression and cointegration are discussed. In addition, multivariate models involving the Vector Auto-Regression (VAR) Models are carefully considered. More importantly, relevant practical illustrations are provided to complement the exercise.	It provided opportunity to demonstrate professional skill and competence in the field of time series econometrics	After the completion of the course, participants were able to deal with time series models. More practically, they could perform unit root and cointegration tests and specify and estimate error correction models as well as multivariate time series models.
Econometrics For Researchers	6	I served a Resource Person in the workshop. This course offer short-term training supports to academics that are	It offers an opportunity to demonstrate one's professional skill and competence and promote knowledge-based decisions	After the completion of the course, participants were able to apply linear

<p>Training Workshop - Module 1</p>	<p>regularly required to employ analytical tools on their job. Essentially, it combines the orientation towards applied and policy issues with a strong emphasis on quantitative approaches to these issues. Thus, it is both theoretical and applied in nature and specifically focuses on the core principles as well as practical applications of basic econometric tools for evaluation of economic relationships. The aim is to reconcile economic theory with practice, thereby empowering participants with analytical skills and a hands-on approach to decision-making processes.</p> <p>The course begins with a basic introduction into the Methodology of Econometrics. Thereafter, attention is given to linear regression analysis including regression on dummy variables, polynomial regression models and non-linear regression models. In addition, qualitative response models involving discrete choice dependent variables are also analyzed. Both the binary and multiple response models are discussed with useful examples.</p>	<p>and analytical thinking.</p>	<p>regression models to real economic data. They were also able to deal with models involving discrete choice dependent variables as well as those with either qualitative or quantitative regressors or both.</p>
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Macroeconomic Modelling Workshop	30	<p>The main activities are:</p> <ul style="list-style-type: none"> <li>- develop a macro-econometric model of the [REDACTED] economy.</li> <li>- develop a TSP code for model analysis and simulation</li> <li>- produce a draft report on the above for further discourse.</li> </ul>	Results will likely be published in a reputable journal.	It will provide more understanding of the workings of the [REDACTED] economy.
Modelling the Impact of Macroeconomic Policies and Shocks	40	<p>The two-week training programme was Organized by the Centre for [REDACTED] [REDACTED] in collaboration with the PEP-Laval School Canada.</p> <p>The main activities in course include:</p> <ul style="list-style-type: none"> <li>- Construction and presentation of Social Accounting Matric (SAM)</li> <li>- General presentation of Computable General Equilibrium Models (such as Model 0, Model AUTA, Model AUTETA, Model EXTER, Model EXTER 2).</li> <li>- Introduction to the General Algebraic Modelling System (GAMS) software</li> <li>- Writing of GAMS code for the models</li> <li>- Models simulation and interpretation of results</li> </ul>	<p>The course exposed me to how to construct (CGE) models of my national economy, and how to conduct simulations in order to forecast the impact of macroeconomic shocks and/or policies on my country's economy's multiple agents, sectors and the various dimensions of poverty and welfare within it.</p> <p>Basically, the course offered me the skill to:</p> <ul style="list-style-type: none"> <li>- Build and use computable general equilibrium (CGE) models, from simple to more complex representations of national economies. Basic command of related techniques and tools were also be acquired (e.g. SAMs, GAMS software)</li> <li>- Conduct simulations of the occurrence of macroeconomic policies and/or</li> </ul>	<p>The users of my service particularly the apex bank can now benefit from the robust analysis of the impacts of global recession affecting the [REDACTED] economy through different channels such as drop in global demand, fluctuations in world prices, reduction of external assistance etc.).</p> <p>In the University where I teach, my students will equally share from the practical demonstration of the aspects of the course, particularly the use of GAMS in solving optimisation problems.</p>

			<p>shocks in the economy</p> <p>- Interpret the results, i.e. forecasted impacts and outcomes on the economy's different sectors and agents</p>	
Ph.D Oral Examination	2	<p>Act as chairman, panel of examiners for the oral defence of the Ph.D thesis of [REDACTED].</p> <p>Title of Thesis: Construction of Balanced Incomplete Block Designs Using Lotto Designs</p> <p>Other Members of the Panel:</p> <ul style="list-style-type: none"> <li>[REDACTED] - Supervisor</li> <li>[REDACTED] - External Examiner</li> <li>[REDACTED] - Internal/External</li> <li>[REDACTED] - Sub-Dean</li> </ul> <p>Postgraduate School</p> <ul style="list-style-type: none"> <li>[REDACTED] - Departmental PG Coordinator</li> </ul>	Evidence of academic relevance and mentoring.	Capacity building in research.

Ph.D Oral Examination	2.5	<p>Internal External Examiner, panel of examiners for the oral defence of the Ph.D thesis of [REDACTED]</p> <p>Title of Thesis: Analysis of the Impact of Economic and Political Institutions on Economic Growth in Africa</p> <p>Other Members of the Panel:  [REDACTED] - Supervisor  [REDACTED] - External Examiner</p>	Evidence of academic relevance and recognition of professional competency.	Capacity building in research.
Research Proposal	25	Response to call for proposals for research grants by AFRICA INITIATIVE, <a href="http://www.africaportal.org/research">www.africaportal.org/research</a> . The proposal title is "Assessing the impact of HIV/AIDS in [REDACTED] Universities"	May lead to publication in reputable journal and to make contribution to knowledge.	Relevance to educational planners and policy makers in [REDACTED].
REVIEWING AND UPDATING THE [REDACTED] MACROECONOMETRIC MODEL OF THE [REDACTED] ECONOMY	20	The Macroeconomic Modeling Division of the Research Department, in collaboration with the Centre for Economic and Allied Research (CEAR) Team from University of Ibadan met to update and refine the Central Bank of [REDACTED] Macroeconometric Model of the [REDACTED] Economy. It was a three-day exercise to further work on the model to reflect the recent economic developments, particularly	It was an opportunity to confront classroom theory with reality particularly in modelling the workings of an oil dependent economy like [REDACTED]. It also exposed me to policy issues and how models can be used to guide policy decisions.	The meeting provided key policy options to the Monetary Policy Committee (MPC) which meeting was come up later in [REDACTED] 2012.

		<p>the removal of the pump price of petroleum motor spirit (PMS) on the economy.  The meeting was held at [REDACTED]  Below are the participants at the exercise:</p> <ol style="list-style-type: none"> <li>1. [REDACTED] Research Dept CBN</li> <li>2. [REDACTED] Research Dept CBN</li> <li>3. [REDACTED] Research Dept CBN</li> <li>4. [REDACTED] Research Dept CBN</li> <li>5. [REDACTED] Research Dept CBN</li> <li>6. [REDACTED] Res Dept CBN</li> <li>7. [REDACTED] Statistics Dept CBN</li> <li>8. [REDACTED] CEAR</li> <li>9. [REDACTED] CEAR</li> <li>10. [REDACTED] CEAR</li> </ol>		
<p>Training Workshop on Responsible Conduct in Research</p>	<p>14</p>	<p>The two-day workshop included presentations on the following topics:</p> <ol style="list-style-type: none"> <li>1. Ethical issues in study design and conflict of interest in Research</li> <li>2. Data acquisition and management</li> <li>3. Quality assurance in Research design</li> <li>4. Misconduct in science</li> <li>5. Collaboration and team research</li> <li>6. Publication practices and responsible authorship</li> <li>7. Advising and mentoring</li> </ol>	<p>It was a good opportunity to rub minds with senior researchers and share practical experiences on how to conduct acceptable research in science. It afforded me the benefit to ask questions on statistical consulting and best practices.</p>	<p>My research students are the immediate beneficiary of this workshop. In addition, clients who regularly come for data analysis either for research articles meant for publication or those for routine progress report will benefit from the dos and don'ts connected with those jobs.</p>

**Chartered Scientist CPD Revalidation Form**  
[For use by Royal Statistical Society]

<b>Name:</b>	
<b>RSS Membership No:</b>	
<b>Email address:</b>	

This form is provided for you to assess your CPD activities over the 12 month period October 2011 to September 2012 inclusive and demonstrate that you meet the CPD standards for CSci revalidation.

**General guidance on the revalidation process can be found on the CSci website at**

<http://www.charteredscientist.org/about-csci/cpd-standards>

**Specific guidance for the revalidation of Chartered Scientists registered through the Royal Statistical Society can be found at**

[www.rss.org.uk/csci\\_revalidation](http://www.rss.org.uk/csci_revalidation) .

**SECTION 1: Career Status & Job Role**

Provide a brief summary of your career status and job role during the 12 month period (October 2011 to September 2012). Provide sufficient detail to give an understanding of the scope of your role and the skills and knowledge required to fulfil the role. This will enable the relevance of your CPD activities to your current job role and future career progression to be understood.

*It is recommended that your summary is between 100 and 250 words.*

I am presently a Senior Lecturer in Statistics in the [redacted]'s premier university – University of [redacted]. My primary duties are teaching, research and provision of community services. I have been actively engaged in all of these in the past one year as a result of which I am currently being assessed for the rank of a Reader by the university. I teach statistics courses both at undergraduate and postgraduate levels. Apart from regular research (personal and collaborative) that I do, I also provide mentoring and advice to students on their projects. During the period in review, I completed 3 masters' dissertation and about five Ph.D theses are at various levels of completion. I also served as an external examiner to other departments in the university as well as to another [redacted] University in the country. I am a fellow of the [redacted] - a multi-disciplinary research centre based in the university. The Macro-econometric Modelling group within the centre and in which I am a member has been working in the past one year with the Research Department of the [redacted] bank – Central Bank of [redacted] to develop a Macro model for the [redacted] economy. The centre also runs series of short courses/workshops on econometric modelling to postgraduate students and

researchers in public and private establishments. I served as a resource person in three of the workshops so far held in the year. During the year under review, I also served as a Consultant Statistician in a Household Service Delivery Survey to provide a baseline socio-economic data for the State of █████ in █████.

## SECTION 2: Summary of CPD activities & the RSS CPD Policy

Have you used the RSS online CPD system to record your individual CPD activities over the 12 month period October 2011 to September 2012? **Yes**  **No**   
(tick one box)

If **Yes**, you can leave this section blank and go to Section 3.

If **No**, please complete this Section.

The information that is required in this Section is:

- a) The nature of the system you have used to record your CPD (e.g. employer's system, self-created spreadsheet, etc).
- b) Information to supplement your summary of CPD activities.

Separate to this document you will be required to provide a copy of the summary of CPD activities from the system you have used. This summary may not provide all the information necessary to confirm that you have satisfied the requirements of the RSS CPD Policy (go to [www.rss.org.uk/cpd](http://www.rss.org.uk/cpd) for details). In this section provide any additional information that may be required to supplement your summary. For example, it may be necessary to clarify that you have carried out activities in at least 3 of the 5 categories of activity described in the RSS CPD Policy and/or that you have undertaken at least 60 learning hours.

a) **CPD system used :**

b) **Additional information necessary to confirm compliance with RSS CPD Policy :**

**If information on categorisation of activities and/or learning hours is not included in your summary of CPD activities, please additionally provide**

- (i) a mapping of activities in your summary to categories, and
- (ii) complete the following table:

Category of activity	Total number of learning hours for activities in category
Work based learning	
Professional activity	
Formal/educational	
Self-directed learning	
Other	
<b>TOTAL</b>	

### **SECTION 3: Reflection on benefit to professional practice**

Please provide examples of specific skills and/or knowledge that you have developed through your CPD activities and explain how these have contributed to the quality of your professional practice and service delivery.

Those of you who have used the RSS online CPD system to record your activities will have commented on how each individual activity has benefited your practice. The purpose of this Section is for you to reflect on how, in combination, the programme of CPD activities you have undertaken in the 12 month period have maintained or enhanced your professional skills and knowledge in order for you to fulfil the requirements of your job role or progress your career.

*It is recommended that your summary is between 100 and 250 words.*

Broadly speaking, three main activities of the CPD have impacted greatly on my professional skills and knowledge during the period in review. Firstly, My participation in the Africa Programme on Accelerated Improvement of Civil Registration and Vital Statistics (APAI-CRVS). It was a new orientation to multi-sector approach to sustainable national CRVS systems development. I also learnt about the tools used to evaluate civil registration and vital statistics. The knowledge gained here has been used in teaching and in making advocacy for CRVS improvement in [REDACTED]. Secondly, The workshop on modelling the impact of macroeconomic policies and shocks. I was exposed to the technique of building and using the computable general equilibrium (CGE) models. This knowledge has proved invaluable in providing quality consultancy services to my clients particularly the Central Bank of [REDACTED]. Finally, my activities at the [REDACTED] as key facilitator in the various training workshops organised at the centre. As a member of the team currently working on the macroeconometric model for [REDACTED], the experience has been stimulating and benefitting.

### **SECTION 4: Reflection on benefit to users of your service**

Please provide examples of how your CPD activity has benefited the users of your work (e.g. employers, clients, colleagues, students, etc).

Those of you who have used the RSS online CPD system to record your activities will have commented on how each activity has benefited users of your service. The purpose of this Section is for you to reflect on how, in combination, the programme of CPD activities you have undertaken in the 12 month period have enabled you to better deliver to users of your service (e.g. complete projects, give advice to clients, make decisions, manage your group, supervise colleagues, teach students, etc.)

*It is recommended that your summary is between 100 and 250 words.*

The greatest beneficiary of my CPD has been my immediate constituency – the students I teach and supervise. The ideas, knowledge and skills acquired in my CPD activities have translated to quality practical examples and illustrations during classroom sessions. It has also diversified and simplified problems identification for project assignments. I have also used the benefit of the activities to create network of collaborators for research and community services.

**SECTION 5: Summary of supporting evidence that is available, and can be provided on request.**

Only complete this Section if you are included in the Audit.  
Otherwise go to Section 6.

Please provide a list of documents that you hold in your CPD portfolio and that provide evidence of the CPD activities undertaken. It is not expected that you will have documents for all activities (particularly the more 'informal' activities), but it is expected that most of the key activities will have such documentary evidence.

**We would normally expect documents to be listed covering between 4 and 8 key activities.**

There is no need to provide the actual documents, unless requested to do so by the panel of assessors undertaking the Audit process.

Activity title or brief description	Evidence of activity (e.g. certificates of attendance, course material, reports, research papers)
Annual Conference of the Economic Society ( )	Invitation letter, conference programme and paper presented
Africa Programme on Accelerated Improvement of Civil Registration and Vital Statistics (APAI-CRVS)	Invitation letter, materials and power point presentations.
Article Review	Letter of Appointment
Conversion Examination	Letter of appointment
Conversion Examination	Letter of appointment
ECONOMETRIC WORKSHOP ON PANEL DATA MODELS - Module 3	Course materials (see http: )
ECONOMETRIC WORKSHOP ON TIME SERIES MODELS - Module 2	Course materials (see http: )
Econometrics For Researchers Training Workshop - Module 1	Course materials (see http: )
Modelling the Impact of Macroeconomic Policies and Shocks	Certificate of attendance and course material
Ph.D Oral Examination	Letter of Appointment
Ph.D Oral Examination	Letter of Appointment
Research Proposal	Proposal submitted
REVIEWING AND UPDATING THE MACROECONOMETRIC MODEL OF THE ECONOMY	Letter of invitation
Training Workshop on Responsible Conduct in Research	Presentations
Annual Conference of the Economic Society ( )	Invitation Letter



