

An example of a CPD submission by a Senior Lecturer and Research Coordinator in a university business school

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
Formal / Educational	████████ Conference: Evaluating the Effectiveness of Public Services	03/11/2011 09:00	03/11/2011 16:00	6
Professional activity	████████████████████ Statistical Journal of the IAOS	01/10/2011 00:00	30/09/2012 00:00	30
Professional activity	████████ the ISI World Statistics Congress	01/10/2011 08:00	28/01/2012 08:00	3
Formal / Educational	Datastream Training	23/11/2011 14:00	23/11/2011 16:00	2
Professional activity	Developed and deliver Session at the IAOS conference ██████████	01/10/2011 09:00	13/09/2012 12:00	15
Self-directed learning	Learning 'R' programming in relation to econometrics	01/10/2011 00:00	30/09/2012 00:00	30
Professional activity	Monte Carlo program for GRETL illustrating spurious regression	24/01/2012 00:00	24/02/2012 00:00	6
Professional activity	New Public Management In National Statistics Offices	06/12/2011 00:00	07/05/2012 00:00	20
Professional activity	Presentation of Invited Paper at ██████████ International Conference on Mining Heritage, ██████████	09/04/2012 10:00	22/09/2012 10:00	3
Professional activity	Produce paper on ██████████ Housing ██████████	01/10/2011 00:00	27/04/2012 00:00	20
Formal / Educational	Recruitment Interview Refresher Course	30/08/2012 14:00	30/08/2012 16:00	2
Professional activity	Statistical Support for ██████████ projects	01/10/2011 12:00	30/09/2012 12:00	15
TOTAL				152

**BENEFITS GAINED
REPORT**

Title	Learning Hours	Activity Description	Benefit to Practice	Benefit to Users
<p>■■■■ Conference: Evaluating the Effectiveness of Public Services</p>	<p>6</p>	<p>As part of the ESRC Festival of Science the ■■■■ held a one day conference on evaluating the effectiveness of public services. The event had eight main speakers. Details at ■■■■</p>	<p>The event provided a useful insight into current thinking in the UK social science community on the ways to approach this issue. It also highlighted the lack of real dialogue between many social science researchers and official statisticians.</p>	<p>The event highlights the need for official statisticians to explain more fully to social science researchers the parameters under which they operate.</p>
<p>■■■■ Statistical Journal of the IAOS</p>	<p>30</p>	<p>■■■■ of the Statistical Journal of the International Association for Official Statistics. Main tasks:</p> <p>Reading and allocating papers to reviewers;</p> <p>Checking reviewers comments and forwarding to editor;</p> <p>Reviewing papers.</p>	<p>A chance to review and critically consider papers submitted - most papers are in the area of financial statistics or the management of official statistics offices. Allows contact and discussion with reviewers.</p>	<p>Ensuring only high quality, adequately peer reviewed papers are published in Journal. Journal is distributed to members of the IAOS.</p>
<p>■■■■ ISI World Statistics Congress</p>	<p>3</p>	<p>As a member of the National Organising Committee for ■■■■ World Statistics Congress in ■■■■, responsible for the signing off of the successful completion of the conference and the handing over of information to the organisers of the ■■■■ WSC in ■■■■.</p>	<p>A good chance to reflect on the lessons learnt from being involved in the organisation of a major conference.</p>	<p>A chance to explore the areas where cost control can best be applied. Major innovation of the conference was the use of special topic sessions to provide more focus than just using contributed papers. Report contains many examples of best practice that can be taking forward by other organisers of WSC</p>

Datastream Training	2	Training in the use of the online database 'Datastream'	Better understanding of how to effectively search Datastream for information	Better able to advise students how to access data
Developed and deliver Session at the IAOS conference	15	Organisation and delivery of paper session at the International Association for Official Statistics Conference in [REDACTED] This included preparation of positional paper on the topic of the impact of New Public Management on the structure and management of urban and regional statistical offices	Forced me to focus on the issues and seek out a range of international speakers also involved either in research in the area or had relevant practical experience.	A better understanding of the role of NPM in official statistics and in particular its impact on the 'open data initiative'.
Learning 'R' programming in relation to econometrics	30	Learning to use the opensource statistical/matrix programming language 'R' so as to be able to use it as the basis for a final year advanced module in financial econometrics. Main source used was H.D. Vinod (2008) Hands-on Intermediate Econometricss using R'.	In addition to standard languages C++ and Java only know Gauss and Matlab matrix/statistical programming languages. These both require purchase of related software. 'R' is becoming the standard for opensource programming	Financial Services expect quantitatively trained graduates to be conversant in more than just using a statistical package. They expect some degree of programming ability. 'R' proves a cheap and easy introduction to the area.
Monte Carlo program for GRETL illustrating spurious regression	6	Development of simple program and accompanying notes to illustrate the problem of spurious regression in time series analysis with I(1) and I(2) variables	Another method of illustrating the problem of relying on classical statistical inference in dynamic time series models.	Helps students understand the issue of spurious regression. Illustrate to students how they can use GRETL's basic programming language.

<p>New Public Management In National Statistics Offices</p>	<p>20</p>	<p>Prepare a paper on the impact of New Public Management on the running of National Statistics Offices.</p> <p>Main activities: prepare synthesis of NPM, Contact Senior Members of NSO's, Interviews, Draft paper</p>	<p>Better understanding of how developments in management theory can be applied to NSOs. Provides an unique case study for 'change management' students.</p>	<p>As far as I am aware this is the first attempt to record the impact of NPM on NSOs. It was also a timely piece of research as many of the senior figures interviewed were coming up to retirement</p>
<p>Presentation of Invited Paper at [redacted] International Conference on Mining Heritage, [redacted]</p>	<p>3</p>	<p>Prepare and present invited paper at international conference.</p>	<p>Increased knowledge of mining industry, historical sources and metrics used to measure performance. Many new contacts with regional Government as a guest of honour at conference.</p>	<p>Insight into a neglected area of possible sustainable development.</p>
<p>Produce paper on [redacted] Housing</p>	<p>20</p>	<p>Write paper with co-authors on measuring the [redacted] House Price [redacted].</p> <p>Responsible for the econometric analysis of the data. Had to write new programs in Gauss to calculate the new indicators used</p>	<p>Understand better the concept of an asset bubble and how to measure it.</p> <p>Chance to refresh knowledge of Gauss programming language</p>	<p>Allow PhD student to see how programming in Gauss is done. Also allowed her to see how an academic paper is constructed</p>
<p>Recruitment Interview Refresher Course</p>	<p>2</p>	<p>Refresher course needed by law in [redacted] on how to conduct recruitment interviews.</p>	<p>Ensure that I am aware of the correct procedures and changes in legislation regarding appointments in [redacted]</p>	<p>Appropriate methods adopted in appointment of research officers.</p>

<p>Statistical Support for [REDACTED] projects</p>	<p>15</p>	<p>Provide such statistical support as needed for five [REDACTED] Northern Periphery Projects. Support includes:</p> <ul style="list-style-type: none"> - clarifying statistical definitions e.g. what is a social enterprise? - obtaining accurate and relevant official statistics. - relate activities to developments in official statistics - e.g. energy stats. - providing input for management reports. 	<p>Allows me to explore more fully issues relating to the monitoring and evaluation of policy development in peripheral regions of Europe.</p>	<p>Professional statistical input into publicly funded projects.</p>
<p>TOTAL</p>	<p>152</p>			

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

Name:	
RSS Membership No:	
Email address:	

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.

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.

Currently Senior Lecturer and Research Coordinator in the [redacted], [redacted] Business School, University of [redacted].

Main responsibilities during CPD period include:

- Providing high quality postgraduate and undergraduate modules in Financial Econometrics, Quantitative Methods, and Regional Innovation Policy.
- Supervising PhD students.
(These two tasks require that I keep up to date with developments in time series analysis and survey design and implementation)
- Acting as the University's principal investigator for [redacted] transnational projects in the area of sustainable regional development.
- Creating an environment for the nurturing of funded research within the Department.
(These two tasks require me to provide high quality quantitative advice as needed)

In addition work as consultant 'on call' for various international, national Government Departments and Public Bodies.

For many years have been involved in the activities of the International Statistical Institute and have act as [redacted] of its Standing Committee On Regional and Urban Statistics and as a [redacted] of the International Association of Official Statistics.

The current financial climate and [redacted] location of base provides limited scope for attending training courses. The University will only fund one course and one conference per year. Thus most CPD activities are through involvement with the ISI and its sections.

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 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	
TOTAL	

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.

I have three main goals in my CPD:

- Development of expertise in the application of statistical techniques in business and finance
- Continuing to keep up to date with developments in urban and regional statistics and how they relate to policy development
- Linking developments in management theory with developments in statistics.

In relation to the first goal research on [REDACTED] housing price [REDACTED] has been extremely beneficial as it has forced me to come up to speed in the literature on asset bubble identification. This combined with previous experience on nonlinear and non-stable time-series analysis has led to an interesting area of research. In addition the learning of a new, open source, matrix programming language 'R' will be useful as increasingly researchers are releasing their code using it.

My involvement with the ISI and in particular the IAOS both as [REDACTED] of their journal and major player in their conferences has helped me keep abreast of developments in urban and regional statistics. In particular it has given me increasing insights into the issues being faced in China as they try to 'modernise' their systems.

As to the third goal the work on the impact of NPM on the running of NSOs has opened a Pandora's box for research and further development. It has helped me understand better the environment under which urban and regional statistical offices operate.

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.

I have three main client groups:

- Postgraduate and undergraduate students
- Fellow academic and public sector researchers
- Policy makers

For the first group my CPD ensures that my teaching and supervision is up to date and relevant. For example, the development of a simple GRETSL program to illustrate the problem of spurious regression using non-stationary time-series was welcomed by the students.

My knowledge of urban and regional statistics has meant that the quantitative input into research projects has been of a high quality. For example, in a transnational project relating to renewable energy and social enterprises I have been able to clarify what is meant by a social enterprise (definitions vary across the EU leading to some countries seemingly having only a small number) and relate this to the [REDACTED] discussions on 'basic unit of consumption'.

For policy makers my CPD activities mean that I can provide high quality advice, using 'state of the art' techniques using accurate and relevant statistics. For example my work with the IAOS means that I have extensive knowledge of the EuroStat Urban Audit and its development. The Urban Audit is becoming a basic source of data for comparative policy analysis in Europe

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)
Conference	List of attendees
Research on House Price	Research paper
NPM and NSOs	Research paper
organisation	ISI report in newsletter
Associate Editor of	Recorded in publication
GRETL monte carlo program	Program and accompanying briefing notes
Statistical Input to projects	Briefing papers
Organise session at IAOS Conference in	Conference Programme/ Photographs
Paper at International Conference on Mining Heritage,	Conference proceedings

Section 6: Declaration

This Section is to be completed by all CSci registrants.

I hereby agree that the information given is correct and supports my wish to revalidate as a Chartered Scientist (CSci).

Please tick the box below to indicate your agreement to the declaration.

I agree to the declaration

Print name: [REDACTED]

Date: 12/11/2012