

An example of a CPD submission by a Senior Government Statistician

Commentary

The attached submission was made by a CSci registrant who was selected for audit as part of the CSci revalidation process in 2011. The submission consists of:

- a. A 12 month summary (October 2010 to September 2011 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, as well as the submitted CPD summary (which uses the *Benefits Gained* report from the system) the panel of assessors also had access to the *Reviewed Activities* report from the system which shows the categorisation of activities into the 5 categories: Work based learning, Professional activity, Formal/educational, Self-directed learning, Other.

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.

CPD Summary (October 2010 – September 2011)

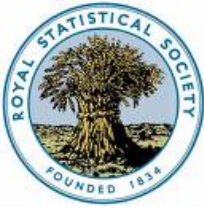
Title	Learning Hours	Activity Description	Benefit to Practice	Benefit to Users
Data protection training	1	Data protection team mandatory 2 yearly update	On going awareness of security and data protection issues and recent updates	confidence / governance
data visualisation	8	RSS day conference at OU on data visualisation. Networking . discussion with [REDACTED]	Informal discussion with attendees covered a myriad of practice Formal talks on what is used and how. Most insightful was journalist to needs to tell a story- not enough for people to "play" with sliders etc. Needs to be a personal story	As we are running a project on data visualisation it should help us build a more user friendly product
SAS	2	Discussion with SAS over which products that we currently have we could deploy better	SAS web studio emerged as a possibility for internal replacement to Nomis SAS e miner identified as the tool - currently we hold 3 licences and we'll get 4 or 5 more	Right analysis tools will help is formulate the things to look at and turn into fraud and error referral
ESRI mapping conference	4	Series of parallel presentations. I attended size local authority ones and three technical ONES	The technical sessions took us into a new space- ideas around the web based applications rather than desktop	Added hugely to my knowledge of local authority use of mapping software and the importance to them of GIS. Means when we are discussing realise of local level figures I can envisage

				much better how they might use them
Financial management	4	Kaplan- outside trainers- day course to cover three of the financial PSG modules	Government accounting system	Better understanding and compliance with Resource Management systems
GSS Methodology	5	Chair for three sessions and attending / Professional networking at rest	Experience of chairing large session and controlling Q&A	Wider experience of nature of questions from a technical audience and control of sessions/ speakers etc
Heads of Profession (HoP) meeting	6	Covered HoP meeting. Included morning workshop on the ONS/ Defra Well Being and sustainability indicators and afternoon with National Statistician on range of professional issues	<p>1. Increased knowledge of sustainability and well being indicators</p> <p>2. Transparency agenda discussed in detail and three government departments responses</p> <p>3. General HoP discussion on professional issues - recruitment; eurostat etc</p> <p>4. Networking</p>	1. Able to identify route-segmentation for Insight- for introduction of well being indicators with Universal credit in ■■■■
Linear modelling OU	4	M346 units 6-9	review of factorial designs, logistic regression etc	Brought regression of categorical and quantitative explanatory variables back to the fore
M346 Tutoring - review modules 1-5 with Open Uni	10	Review work really - Linear statistical modelling includes theory and use of Genstat	Review of linear and multiple regression and indicator variables and hypothesis testing and issues around "real" data	Able to inspire greater confidence and communicate with greater fluency because fresher in mind

M346 Tutoring - Use of elluminate	4	Use of an electronic teaching room-explaining a package and using range of audio, text, live to desktop and text	Understanding and experience of using a live electronic teaching room	I believe ordinary video improved and knowledge to expand how we work remotely
Measuring Well being seminar -ONS	2	GSS seminar on measuring well being in society	New work being undertaken gives new emphasis away from simply national accounts	Eventually integration
mentoring at Quality Helath (QH)	4	Mentoring of new graduate-Mathematics (I) and Phd student in private company where solo statistician	Reminder of what you need to talk new graduates through and what they need to experience to gain vision of what a statistician can bring to a questionnaire analysis world	Better able to train within an environmentt rather than "parachute" in
OU statistical day	3	Tutor on M346 and so running information , revision and support day Opening session form Prof Paddy Farrington on whooping cough epidemics and alternative to case/control analysis	- Good example of development of new analytical approach from Paddy - leading and responding to questions from students on approach to questions and technical content	Better understanding of types of issues students stumble over AND excellent example to give on developing new analysis AND learnt from a good presentation of a technical concept
Royal society TV feeds- Carbon Rock and climate change Bakerian lecture	1	TV feed- royal society lecture. Storage of carbon in saline aquifers	Use of visuals to explain a complex process Delivery of description of complex	Maybe should expect them to listen and engage rather than require it to be simple

			<p>process</p> <p>Live demonstration of experiments is possible and does add</p>	
Royal Society TV feeds-Nigel Shadbolt-Information floodgates	1.5	Royal Society talk of 16th Nov on Opening the Information floodgates. TV recording on site.	About semantic web and open government data	Future possible direction about data on semantic web direct form one of the designers
SAS JMP evaluation	10	Evaluation of SAS JMP as data visualisation tool. Presentation form SAS JMP followed by download of 30 day trial licence and investigation in own time on home laptop. Dummy set up for Quality Health <to be attached>	Moved forward on data visualisation beyond the Google equivalent. Shown Quality Health what the data could support that is already in public domain	Another tool to help people see what the data can do
Senior leaders 360 degree assessment /workshop	4	Interpretation of results from 13 completed questionnaires by mangers, peers and customers reports compared to self assessment	<p>Better understanding of what others see as relative strengths- dealing with change -innovation- and weakness- communicates Powerfully and prolifically.</p> <p>Hence gives me an insight into improvement routes- communicate more and take lead on technical/ prof</p>	Better understanding on my part of what colleagues and customers want. They were asked to identify 4 things that if I executed with a high level of skill and expertise would have the most significant impact on my role (not about how well I do it but how

session on leadership & capability competencies	6	I ran a 2 hour session on different approaches / definitions of leadership and building capability. the intention was a) recognise our variety of approach and promote variety and b) get team leaders to do the same with their teams	<p>Helped the team leaders work together by being more open and acknowledging variety as a strength</p> <p>Research to set it all up took me into space of a) planning a good training session and what that needs and b) the content</p> <p>Session went well and thereb</p>	Co operative working across the team leaders makes us more efficient. Variety makes us more effective. The event sponsored both
visual representation of data	5	Use of maps and use of Google charts (gapminder)and SAS charts to show our data	Alternative ways for people to access our data using free/ existing software	Massive but cannot quantify just yet. All enthuse!!
White rose statistics open day	3	RSS and GSS joint Open day - 20 plus 15 mins talks form BIS, DFe and DWP and RSS and 1 hour from National Statistician. Time covers talks attended	<p>Visibility and reputation enhancement</p> <p>Training for many staff</p> <p>Opportunity for many staff to deliver a presentation</p> <p>Views of National statistician as we move through uncertainty period</p>	<p>Greater knowledge of what we can do</p> <p>Increased contacts with RSS Leeds and Sheffield</p>



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

the
SCIENCE
council

Name:	
RSS Membership No	
Email address:	

This form is provided for you to assess your CPD activities over the 12 month period October 2010 to September 2011 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-and-revalidation> .

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 2010 to September 2011). 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 a Government Statistical Service (GSS) Senior Principal Statistician at [REDACTED]

Purpose and overview of role:

To collect, analyse and disseminate national / official/ adn ad hoc statistics on the main client groups of [REDACTED] from its administrative systems, and provide associated briefing. Provide Parliamentary Questions (PQ) and Freedom of Information (Fol) support for [REDACTED]

Responsibilities and accountabilities

- To coordinate and prioritise effort relating to the collection, analysis and dissemination of statistical databases and related products about [REDACTED] clients;
- To prepare for [REDACTED] by developing appropriate statistical databases and related National Statistics outputs;
- To provide quality assurance and professional statistical oversight of the above processes and staff
- To ensure compliance with the Code of Practice for Official Statistics
- To ensure that PQ's and FOI inquiries directed towards [REDACTED] are appropriately handled and that timeliness and quality targets are met
- To ensure the performance and development of about 40 mostly specialist staff
- Deputise for the Chief Statistician as required
- Work collaboratively as a senior member of the Leadership Team contributing to overall leadership of the Division

Accountable for:

The publication of the Department's statistics on client benefits in accordance with the Code of Practice for Official Statistics.

Providing specialist advice, analysis and briefing on these and related matters

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 2010 to September 2011? **(Yes/No)**

...YES.....

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 :

SECTION 3: Reflection on benefit to professional practice

Please provide examples of how your CPD activity has 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.

- The Statistics Open day (white Rose Statistics); the session on leadership and capability I designed and ran, the Open University Tutoring and the mentoring of a new Statistician in the Private sector [REDACTED] have all been part of **my role to develop others and to build relationships across, and outwith,** [REDACTED]
- The work on data visualisation has taken us **technically forward** and through presentations increased our **professional profile** in this area. The demonstrations to Secretary of State and Minister [REDACTED] (and others I arranged but did not deliver) brought the top of the office an awareness of the “story” numbers can tell;
- Well being / Transparency work / Hop meeting/ ESri mapping/ SAS charts/ JMP evaluation kept technical skills developing and OU Linear modelling course revision of technical knowledge
- 360 workshop and assessment gave me an awareness of a) impression given and b) areas to build upon

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.

Data visualisation work - on mapping and on Google interactive charts (Gap minder) has greatly helped users "see" the data. This includes senior Civil Servants and Politicians at [REDACTED]. Currently doing a round of presentation – done GSS methodology; RSS official stats, NAO and RSS local all to come

The "White Rose statistics " day let users see the range of work we and others can do- generated a lot of contacts and interest

Financial and data protection training essential updates for working within Civil service . Elluminate (an electronic teaching room with the OU) raises my expectations of electronic communication within the Civil Service – use of forums with databases; use of video links with computer links etc

360 feedback will enable areas of communication and development of others to be addressed more visibly

Senior leaders 360 degree assessment /workshop	Have manual and feedback (all paper and not electronic)
session on leadership & capability competencies	Have materials prepared
White rose statistics open day	Have agenda and emails and write up in RSS news

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: XXXXXXXXXX

Date: 8th October 2011