

An example of a CPD submission by a Senior Lecturer and Head of a Biostatistics Unit

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	ANTIRESDEV meeting in Stockholm	03/05/2012 09:00	04/05/2012 13:00	12
Formal / Educational	Clinical Research Methods exam	03/01/2012 10:00	11/01/2012 12:00	2
Professional activity	CRM and statistics exam	14/12/2011 13:00	14/12/2011 18:00	5
Formal / Educational	EFORT conference in Berlin	23/05/2012 09:00	25/05/2012 13:00	5
Formal / Educational	██████ 1 lecture	24/10/2011 08:15	24/10/2011 09:15	1
Formal / Educational	██████ 2 lecture	31/10/2011 08:15	31/10/2011 09:15	1
Formal / Educational	██████ workshop 1	24/10/2011 15:00	24/10/2011 16:30	1.5
Formal / Educational	██████ workshop 1	25/10/2011 10:00	25/10/2011 11:30	1.5
Formal / Educational	Introduction to Moodle 2	08/11/2011 10:00	08/11/2011 11:30	1.5
Formal / Educational	Introduction to Moodle 2	16/04/2012 10:00	16/04/2012 12:30	2.5
Formal / Educational	Lecture clinical trials	04/10/2011 11:15	04/10/2011 12:15	1
Formal / Educational	Lecture ██████ categorical data	14/10/2011 08:15	14/10/2011 09:15	1
Formal / Educational	Lecture ██████ categorical data	14/11/2011 08:15	14/11/2011 09:15	1
Formal / Educational	Lecture ██████ correlation and regression	21/11/2011 08:15	21/11/2011 09:15	1
Formal / Educational	Lecture ██████ Sample size	28/11/2011 08:15	28/11/2011 08:15	1
Formal / Educational	Lecture ██████ agreement	04/12/2011 08:15	04/12/2011 09:15	1
Formal / Educational	Lecture ██████ diagnostic tests	06/12/2011 09:00	06/12/2011 10:00	1
Formal / Educational	Lecture: Introduction to Statistics	30/04/2012 14:00	30/04/2012 15:00	1
Formal / Educational	Lecture on screening for oral cancer	30/04/2012 15:00	30/04/2012 16:00	1
Formal / Educational	Lecture on screening test evaluation	30/04/2012 16:00	30/04/2012 17:00	1
Formal / Educational	Lecture: Observational Studies	04/10/2011 10:00	04/10/2011 11:00	1
Formal / Educational	Meeting of ANTIRESEDEV in Berne	02/12/2011 09:00	02/12/2011 13:00	8
Formal / Educational	Meeting of ANTIRESEDEV in Berne	01/12/2011 09:00	01/12/2011 17:00	8

Formal / Educational	lectures on statistics	02/12/2011 09:30	02/12/2011 12:30	3
Formal / Educational	Oral presentation of posters	19/03/2012 13:00	19/03/2012 14:00	1
Work based learning	PhD Meeting for	30/04/2012 13:00	30/04/2012 14:00	1
Professional activity	Refereed 2 articles for JBJ	13/04/2012 10:00	13/04/2012 16:00	6
Professional activity	Refereed 3 articles for JBJ	20/01/2012 13:00	20/01/2012 19:00	6
Professional activity	Refereed article for HIV Clinical Trials	12/03/2012 10:00	12/03/2012 13:00	3
Professional activity	Refereed article for JBJ	28/10/2011 10:00	28/10/2011 13:00	3
Professional activity	Refereed article for JBJ	27/10/2011 14:00	27/10/2011 15:00	3
Formal / Educational	Research in distance education 2011 conference	26/10/2011 09:30	26/10/2011 16:30	7
Professional activity	Reviewed 2 papers for JBJ	08/06/2012 09:00	08/06/2012 14:00	5
Professional activity	Reviewed 2 papers for JBJ	11/02/2012 09:00	11/02/2012 13:00	4
Professional activity	Reviewed 2 papers for JBJ	19/09/2012 14:00	19/09/2012 17:30	3.5
Professional activity	Reviewed paper for JBJ	11/11/2011 15:00	11/11/2011 18:00	3
Professional activity	Reviewed paper for JBJ	23/12/2011 10:00	23/12/2011 13:00	3
Professional activity	Reviewed paper for JBJ	12/07/2012 11:00	12/07/2012 13:30	2.5
Professional activity	Reviewed paper for JBJ	09/08/2012 14:00	09/08/2012 17:00	3
Professional activity	Reviewing article for JBJ	20/10/2011 14:00	20/10/2011 17:00	3
Formal / Educational	Revision lecture for course	06/12/2011 10:00	06/12/2011 11:00	1
Formal / Educational	SPSS workshop for 1 lecture	24/10/2011 15:00	24/10/2011 16:30	1.5
Formal / Educational	SPSS workshop for 1 lecture	24/10/2011 15:00	24/10/2011 16:30	1.5
Formal / Educational	SPSS workshop re: 2 lecture	01/11/2011 10:00	01/11/2011 11:00	1.5
Formal / Educational	SPSS workshop re: 2 lecture	31/10/2011 15:00	31/10/2011 16:30	1.5
Formal / Educational	SPSS workshop re: 3 lecture	14/11/2011 15:00	14/11/2011 16:30	1.5
Formal / Educational	SPSS workshop re: 3 lecture	15/11/2011 10:00	15/11/2011 11:30	1.5
Formal / Educational	SPSS workshop re: 4 lecture	21/11/2011 15:00	21/11/2011 16:30	1.5
Formal / Educational	SPSS workshop re: 4 lecture	22/11/2011 10:00	22/11/2011 11:30	1.5

Work based learning	Supervised [REDACTED]	29/11/2011 14:00	29/11/2011 17:00	3
Work based learning	supervised [REDACTED] PhD	10/10/2011 13:00	10/10/2011 16:00	3
Work based learning	Supervised [REDACTED]	18/01/2012 02:00	18/01/2012 05:00	3
Work based learning	Supervised [REDACTED]	01/05/2012 11:00	01/05/2012 13:00	2
Professional activity	Supervised [REDACTED]	08/05/2012 11:00	08/05/2012 13:00	2
Work based learning	Supervised [REDACTED]	30/05/2012 10:30	30/05/2012 13:00	2.5
Work based learning	Supervised [REDACTED]	13/06/2012 11:00	13/06/2012 13:00	2
Professional activity	Supervised [REDACTED]	18/06/2012 11:00	18/06/2012 12:00	2
Professional activity	supervised [REDACTED]	10/10/2011 10:00	10/10/2011 11:30	1.5
Professional activity	[REDACTED] Workshop on public e-learning platform	22/08/2012 12:00	22/08/2012 13:30	1.5
Formal / Educational	Writing 3rd edition of [REDACTED] book	14/06/2012 09:00	14/06/2012 18:30	9
Formal / Educational	Wrote material for e-learning course at [REDACTED]	18/06/2012 09:00	18/06/2012 11:00	2
TOTAL				166.5

BENEFITS GAINED REPORT				
Title	Learning Hours	Activity Description	Benefit to Practice	Benefit to Users
ANTIRESDEV meeting in Stockholm	12	Attended meeting as statistician on antibiotic resistant bacteria funded by the EU and involving a number of European centres	Encouraged me to think about how statistics fits in with the other aspects of the study	The results of my analysis were useful for understanding the effects of certain antibiotics and their resistance
Clinical Research methods exam	2	Administered the exam for the CRM course including statistics	Gave me the opportunity to see how well the students had understood the stats in the [REDACTED]-stats course	Students were forced to revise and gain a better understanding of statistics
CRM and statistics exam	5	Wrote the stats questions for the CRM and stats exam and collated the questions that others had written	Writing exam questions is a good way of testing one's own knowledge of the subject	Students had a comprehensive exam on stats
Efort conference in Berlin	5	Went to European conference on orthopaedics, attended some meetings and gave a talk in a symposium on statistics, as well as answered questions on the panel.	Gained experience in giving a lecture at this type of conference.	The lecture and symposium were well received, with lots of questions, and comments from those attending that the lecture was very useful and helpful for them in understanding statistics.
[REDACTED] 1 lecture	1	1st lecture in stats course to all postgrads at [REDACTED]	Explaining stats is a good way of ensuring clear and logical thought processes	Learned about the basic of stats

████████ 2 lecture	1	Gave the second lecture in the █████████ stats course to all the postgrads at the █████████	Condensing a lot of information (in this case on hypothesis testing) into one hour is a useful exercise and it made me think clearly about what is important	The students learned about hypothesis testing
████████ workshop 1	1.5	Ran SPSS computer workshop for 15 students	Teaching is a good learning tool, helping me see where students have difficulties	They learned how to do the basics in SPSS
████████ workshop 1	1.5	Ran an SPSS workshop for a group of graduates	Small group teaching gives me the opportunity to see where the students have difficulties so that I can adapt my teaching accordingly	The students were introduced to SPSS
Introduction to Moodle 2	1.5	Attended talk introducing Moodle 2 at █████████	I will be switching my e-learning courses to Moodle 2 so I obtained useful information about how it works	My students will be using Moodle 2 from June 2012 and will benefit from any knowledge that I have on the subject
Introduction to Moodle 2	2.5	Workshop introducing Moodle 2, and e-learning platform, and explaining how it differs from Moodle 1.9	I use Moodle for my e-learning courses and need to know how to adapt my current courses to the new version	Students use my e-learning courses and these courses have to be kept up to date
Lecture clinical trials	1	Gave a lecture on common cores Clinical Research Methods module to all the graduates at █████████	Always learn from the students reactions and questions	Students learned about setting up clinical trials and problems encountered
Lecture █████████ categorical data	1	Gave a lecture on categorical data as part of common core Clinical Research Methods module to all the graduates at █████████	Always learn from the students reactions and questions	Students learned analysing categorical data

Lecture [REDACTED] categorical data	1	Gave a lecture on categorical data as part of common core Clinical Research Methods module to all the graduates at [REDACTED]	I always learn from students reactions and questions	Students learned how to analyse categorical data
Lecture [REDACTED] correlation and regression	1	Gave a lecture on correlation and regression as part of common core Clinical Research Methods module to all the graduates at [REDACTED]	I always learn from the students reactions and questions	Students learned how to perform correlation and regression analysis
Lecture [REDACTED] Sample size	1	Gave a lecture on sample size estimation as part of common core Clinical Research Methods module to all the graduates at [REDACTED]	I always learn from the students reactions and questions	Students learned about the importance of sample size estimation and how to estimate the optimal sample size in some situations
Lecture [REDACTED] agreement	1	Gave a lecture on measuring agreement as part of common core Clinical Research Methods module to all the graduates at [REDACTED]	I always learn from the students reactions and questions	Students learned how to evaluate reliability by measuring agreement for numerical and categorical outcomes
Lecture [REDACTED] diagnostic tests	1	Gave a lecture on diagnostic tests as part of common core Clinical Research Methods module to all the graduates at [REDACTED]	I always learn from the students reactions and questions	The students learned how to assess diagnostic tests
Lecture introduction to statistics	1	Gave lecture to certificate in [REDACTED] students at [REDACTED]	Always helpful to give lecture as questions sharpen thoughts	They learned about basic statistics

Lecture on screening for oral cancer	1	Gave lecture to certificate in [REDACTED] students	Always helpful to give lecture as questions sharpen thoughts	Students learned about philosophy of screening with particular reference to oral cancer
Lecture on screening test evaluation	1	Gave lecture to certificate of [REDACTED] students	Always helpful to give lecture as questions sharpen thoughts	Students learned how to evaluate diagnostic and screening tests statistically
Lecture: observational studies	1	Gave a lecture to all first year masters students at the [REDACTED]	Always beneficial to lecture as writing the lecture and answering questions provide useful insights into the material	Students learned new material
Meeting of ANTIRESEDEV in Berne	8	Attended the meeting in Berne of the international ANTIRESEDEV research group on drug resistant antibiotics	Gained insight into the problems	Gained information about the statistical methods that could be used in analysing the data
Meeting of ANTIRESEDEV in Berne	8	Attended the meeting in Berne of the international ANTIRESEDEV research group on drug resistant antibiotics	Gained insight into the problems	Gained information about the statistical methods that could be used in analysing the data
[REDACTED] lectures on statistics	3	Gave 2 lectures on statistics to senior scientists involved in animal research	Gained insight in to the problems faced by the scientists from their questions	They learned about basic statistical techniques and the problems that they might face when analysing their data
Oral presentation of posters	1	Attended workshop on oral presentation of poster organised by [REDACTED] at [REDACTED]	Gave me food for thought re: using oral presentations of posters for assessing student's work	If i adopt this method of assessment, it will make assessment more varied and this may suit some students
PhD Meeting for [REDACTED]	1	meeting to discuss progress of the PhD	These meetings allow me to consolidate progress to date	[REDACTED] knows next steps to be taken

Refereed 2 articles for JBJS	6		Made me think carefully about the statistical issues in the paper	The journal would have had a better understanding of the appropriateness of the paper in terms of statistics
Refereed 3 articles for JBJS	6	Refereed, from a statistical viewpoint, 3 articles for the Journal of bone and joint surgery	I had to think quite hard about the statistical issues raised in the papers	I suggested to the reviewers that all 3 papers be accepted after revision and suggested how the papers could be revised
Refereed article for HIV Clinical Trials	3	Refereed article for HIV Clinical Trials with statistics mostly relating to measuring reliability	Learned something new about reproducibility and repeatability	If the paper is accepted, it will be improved statistically
Refereed article for JBJS	3	Reviewed article for JBJS	Refereeing an article makes one think clearly about statistical issues	I suggested that the paper not be accepted for publication which was useful information for the editors of the journal
Refereed article for JBJS	3	Refereed an article for JBJS	Refereeing articles is a good exercise in critical evaluation	I made some comments and suggestions which would have improved the article statistically.
Research in distance education 2011 conference	7	Attended conference at [REDACTED]	Learned quite a bit about current practices in distance education, in particular about mobile learning	I write distance learning courses and what i picked up at the conference will be useful for modifying my courses
Reviewed 2 papers for JBJS	5	Refereed 2 articles for JBJS	Made me think about and research evaluation of indices	Hopefully, the comments I made will help the editors of the journal make a decision about publishing the papers, and will help the authors improve their manuscripts

Reviewed 2 papers for JBJS	4	Reviewed 2 papers for JBJS	Made me think about statistical issues in the paper	The comments that I made should have been useful for the authors to improve the manuscript and for the publishers to aid their decision about including the articles for publication
Reviewed 2 papers for JBJS	3.5	Reviewed 2 papers for JBJS	Made me think clearly about statistical issues	The comments that I made should have been useful for the authors to improve the manuscript and for the publishers to aid their decision about including the article for publication
Reviewed paper fo JBJS	3	Reviewed paper for JBJS	Made me think clearly about statistical issues in the paper	The comments that I made should have been useful for the authors to improve the manuscript and for the publishers to aid their decision about including the article for publication
Reviewed paper for JBJS	3	Reviewed paper for JBJS	Made me think clearly about statistical issues	The comments that I made should have been useful for the authors to improve the manuscript and for the publishers to aid their decision about including the article for publication

Reviewed paper for JBJS	2.5	Reviewed paper for JBJS	Reviewing the article helped me focus on statistical issues	The information i provided helped the publishers make a decision about whether or not to publish the paper and helped the authors improve their paper for publication
Reviewed paper for JBJS	3	Reviewed article for JBJS	Made me think clearly about statistical issues	The comments that I made should have been useful for the authors to improve the manuscript and for the publishers to aid their decision about including the article for publication
Reviewing article for JBJS	3	Reviewed an article for the JBJS	A useful exercise in assessing the statistical content of an academic paper	The paper is of a better statistical quality with the corrections
Revision lecture for [REDACTED] course	1	Gave a revision lecture for [REDACTED] statistics course, part of the common core Clinical Research Methods module, for all the graduates at [REDACTED]	Got a better understanding of how much the students had absorbed in the stats course	Students had a better idea of the sort of questions that would come up in the exam and how to tackle them
SPSS workshop for [REDACTED] 1 lecture	1.5	Ran an SPSS workshop for about 20 students following on from the lecture introducing stats	Able to get an understanding of how much the students had absorbed in the lecture	Students learned how to use SPSS for basic analysis
SPSS workshop for [REDACTED] 1 lecture	1.5	Ran an SPSS workshop for about 20 students following on from the lecture introducing stats	Got an understanding of how much the students had absorbed in the previous lecture	Students learned how to analyse basic data using SPSS

SPSS workshop re: [REDACTED] 2 lecture	1.5	Ran an SPSS workshop for about 20 students following on from the lecture introducing hypothesis testing	Got an understanding of how much the students had absorbed in the Monday lecture	Students learned how to perform hypothesis tests using SPSS
SPSS workshop re: [REDACTED] 2 lecture	1.5	Ran an SPSS workshop for about 20 students following on from the lecture introducing hypothesis testing	Got an understanding of how much the students had learned in the lecture on hypothesis testing	Students learned how to use SPSS to perform hypothesis tests
SPSS workshop re: [REDACTED] 3 lecture	1.5	Ran an SPSS workshop for about 20 students following on from the lecture introducing hypothesis testing for categorical data	Got an understanding of how much the students learned from the lecture on categorical data	Students learned how to analyse categorical data using SPSS
SPSS workshop re: [REDACTED] 3 lecture	1.5	Ran an SPSS workshop for about 20 students following on from the lecture introducing hypothesis testing for categorical data	Got an understanding of how much the students learned from the lecture on categorical data	Students learned how to analyse categorical data using SPSS
SPSS workshop re: [REDACTED] 4 lecture	1.5	Ran an SPSS workshop for about 20 students following on from the lecture introducing correlation and regression	Got an understanding of how much the students learned from the lecture on regression and correlation	Students learned how to perform correlation and regression analysis using SPSS
SPSS workshop re: [REDACTED] lecture	1.5	Ran an SPSS workshop for about 20 students following on from the lecture introducing correlation and regression	Got an idea of how much the students learned from the lecture on correlation and regression	Student learned how to perform correlation and regression analysis using SPSS
Supervised [REDACTED]	3	Supervised [REDACTED] at the final stages of her PhD	Had to think carefully about the statistical issues that might be raised in [REDACTED] viva and give her advice	[REDACTED] had more confidence to answer the stats questions in her viva

supervised [REDACTED]	3	Made corrections to last 3 chapters of [REDACTED] thesis which she will hand in this week	Made me think about various aspects of statistics	Improved the thesis
Supervised [REDACTED]	3	Supervised [REDACTED], my PhD student	Had to think hard about how best to analyse [REDACTED] data which made me collect my thoughts about multilevel regression	[REDACTED] had a better idea of how to tackle the data analysis
Supervised [REDACTED]	2	Worked on case control study of [REDACTED] PhD	Good practice on organising data and regression techniques	[REDACTED] learned how to organise her data and use logistic regression
Supervised [REDACTED]	2	Worked with [REDACTED] on case control study as part of her PhD	I felt that I gained more experience in handling data and statistical techniques using Stata	Results were of use to [REDACTED] in her PhD and she learned how to use the techniques
Supervised [REDACTED]	2.5	Did some work with [REDACTED] on her PhD in relation to case control study	Worked out how to sort matched data	[REDACTED] data ready for analysis.
Supervised [REDACTED]	2	Did more analysis with [REDACTED] for her PhD	Good practice in analysing case control data	[REDACTED] was able to make inferences about effect of BMI on perio disease in unmatched case control study
Supervised [REDACTED]	2	Did more data sorting and analysis with [REDACTED] for her PhD	Good practice at analysing matched case control study	[REDACTED] was able to make inferences about effect of BMI on perio disease in matched cases and controls and relate these results to unmatched cases and controls analysis

supervised [REDACTED] [REDACTED]	1.5	Went through various aspects of regression analysis and collinearity	Helpful to establish guidelines in regression when there are problems and the analysis is not straightforward	[REDACTED] learned how to proceed with the analysis
[REDACTED] Workshop on public e-learning platform	1.5	Attended workshop to discuss how [REDACTED] can best present itself to the public for e-learning	Since I'm interested in developing e-learning, it was useful to see the problems one might encounter when writing e-learning courses for the public	Once developed, it will be useful for the public to access e-learning material that I have written
Writing 3rd edition of [REDACTED] book	9	Worked on 3rd edition of Statistics for [REDACTED] Science	Made useful corrections to 2nd edition of book	The 3rd edition will be an improvement on the 2nd edition
Wrote material for e-learning course at [REDACTED]	2	Made corrections to [REDACTED] and [REDACTED] e-learning courses	Made me think carefully about various types of attributable risk	Improved material in the courses
TOTAL	166.5			

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

Name:	
RSS Membership No:	
Email	

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.

I am a Senior Lecturer in Biostatistics and Head of the Biostatistics Unit at [REDACTED]. I am responsible for the statistical education of the first year taught Master's students (approximately 60/year) and new PhD students and act as a statistical advisor to all staff and students at [REDACTED], collaborating in their research. In 2012, in addition to individual lectures, I ran an 8 lecture introductory statistics course, supplemented by additional small group SPSS computer workshops. I have written two e-learning courses (one for tutor-led [REDACTED] students and the other a stand-alone e-learning course for all [REDACTED] graduates) which mirror the tutor-led course, and which have voice-overs on the Powerpoint slides, explanatory webpages, interactive MCQs, and animated demonstrations of the SPSS practicals. In 2011/12, I have been supervising 2 PhD students (one of whom completed her PhD in December 2011), writing 2 books on statistics ([REDACTED], both in press and to be published by [REDACTED] in 2013) and have published 11 peer reviewed papers. I am the lead for the common core Clinical Research Methods module at [REDACTED], and organised all its lectures and examination. I have given invited lectures in Germany and Scotland and elsewhere in [REDACTED]. I have also done consultancy work for clinicians in different departments of [REDACTED]. I have reviewed many articles, mostly for the Journal of Bone and Joint Surgery, and have been involved in the Master's examinations in my role as Honorary Lecturer in Statistics at [REDACTED].

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.

My CPD activity has involved attending seminars and workshops, lecturing, supervising research students, advising students and staff on their research projects, reviewing articles for journals, writing and researching statistical methods. As lecturing and teaching is a large part of my job, it's been important to keep up with the latest didactic methodology, and the CPD activities have promoted this, particularly in the distance learning field. As an academic, I have also had to keep abreast of new statistical techniques and this has been achieved partly by attending lectures and seminars but also by extensive reading (not listed in the RSS CPD records as this would be too onerous). Reviewing articles can often bring to the forefront problems and difficulties and I feel that I have often learned a lot by being faced with them. Writing books has also allowed me to focus on particular aspects of statistics, and explaining complex methodology in simple terms has been a challenge and a learning experience.

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.

My CPD activity has involved attending seminars and workshops, lecturing, supervising research students, advising students and staff on their research projects, reviewing articles for journals, writing and researching statistical methods. Lecturing and small group teaching has been of benefit to my students who, mostly, have no prior knowledge of statistics. At the [REDACTED] they are all graduate students who will, at the end of their courses, have to produce a research dissertation. Understanding statistical methodology and having a working knowledge of statistical software is essential for their theses and so my statistical input has been invaluable to them. In addition to the lectures and workshops, I spend a considerable amount of time every day with the students on a one-to-one basis (so much time that I have not documented it on the RSS activity record as this would be too onerous), advising and helping them with their statistical analyses and the write-up of their theses, and they always say how grateful they are. By attending seminars and workshops myself, I've been able to improve the standards of my teaching which is of benefit to the students. Reviewing articles results in better publications. Writing books helps the students and research workers understand statistics better and enables them to cope with statistics on their own when there is no statistician around to advise them.

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)
Research papers (11 papers were listed by the registrant)	<i>For each paper a full reference was given (authors, title, journal)</i>
Certificate of attendance	13 th EFORT Congress in Berlin, 23-25 May 2012
Certificate of attendance	Module 5 Glasgow, December 2011
Articles that I have reviewed for the Journal of Bone and Joint Surgery (JBJS)	<i>Titles of the articles were listed by the registrant who indicated that the journal editor could confirm that the registrant had reviewed the articles.</i>

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: 2 November 2012