

CPD Activity Summary

<p>CPD Activities over:</p> <ul style="list-style-type: none">• A 12 month period if used for revalidation totalling at least 60 hours of learning• Or a 24 month period of used as part of you CStat Application totalling at least 60 hours of learning per year	<p>Career status (include a brief description of job role over the 12 month period)</p> <p>During 2020 I worked as a Technical Senior Analyst in an organisation providing scrutiny of government. My role comprises three main aspects:</p> <ul style="list-style-type: none">• identifying data sources and providing analytical support, primarily for value for money investigations. As well as basic data acquisition, processing, quality assurance and presentation, this also includes the application of statistical techniques such as correlation and regression to explore relationships between variables; and also the design and production of data visualisations to enable stakeholders to graphically explore the findings of our reports.• developing data management infrastructure to support studies across the organisation in more rapidly and robustly accessing local government data to understand variation and trends. This builds on existing data infrastructure to design and implement dimensional models and presentation layers to bridge the gap between raw data and insight for study teams.• providing leadership for the Surveys and Statistics networks within the organisation. This required me to provide support and quality assurance to study teams in their use of surveys and statistical methods, as well as building capacity and capability across the organization through the provision of training events and materials, and through working with interested members of the community to architect and pursue their own technical development. <p>In addition to my employment I also volunteer as a school governor. This involves providing support and challenge to the school's leadership team; supporting specific sessions such as disciplinary decisions, appeals and complaints; acting as link governor for data and curriculum, sixth form, careers and special educational needs; and generally providing scrutiny on behalf of parents and pupils.</p>
---	---

Summary

Category of Activity	Total number of learning hours for activities in category
Work based learning	45.8
Professional activity	37.0
Formal/educational	117.0
Self-directed learning	21.0
Other	20.0
Total	240.8

Start /End Dates	Description of Activity	Category of Activity	Learn- ing hrs	Benefits to self/own practice	Benefits to users/impact on service	Supporting evidence
06/01/2020	Strategic review design day: People	Work-based learning	1	Expanded understanding of organisational strategy, objectives, remit, goals, and future direction of travel	Better equipped to identify opportunities where I can add value for my employer; can also provide guidance and support to others	Evidence of attendance from organisational CPD log system
07/01/2020	Local Government Finance Training – taught session	Work-based learning	4	Expanded understanding of local government finance	Better equipped to undertake role for employer in developing infrastructure and outputs pertaining to local government finance; can also provide guidance and support to others	Evidence of attendance from organisational CPD log system
08/01/2020	Local Government Finance Training – personal study	Work-based learning	3	Expanded understanding of local government finance	Better equipped to undertake role for employer in developing infrastructure and outputs pertaining to local government finance; can	Evidence of attendance from organisational CPD log system

					also provide guidance and support to others	
16/01/2020	Financial Audit for non-financial auditors – taught session	Work-based learning	2	Expanded understanding of organisational strategy, objectives, remit, goals and future direction of travel	Better equipped to identify opportunities where I can add value for my employer; can also provide guidance and support to others	Evidence of attendance from organisational CPD log system
31/03/2020	A talk on the covid-19 modelling paper that led to the UK lockdown	Work-based learning	1.3	Expanded understanding of COVID-19 and how science and statistics were used to influence government decision making	Better equipped to support value for money studies in this topic area; can also provide guidance and support to others as a result of understanding more about the approaches employed	Evidence of attendance from organisational CPD log system
07/04/2020	Data Analytics: web scraping with R – taught course	Work-based learning	2.5	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	Evidence of attendance from organisational CPD log system
28/04/2020	Data Analytics: Text Mining – taught course	Work-based learning	3	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	Evidence of attendance from organisational CPD log system
03/08/2020	Introduction to Hubs – overview of organisational structure change	Work-based learning	1	Expanded understanding of organisational strategy, objectives, remit, goals and future direction of travel	Better equipped to identify opportunities where I can add value for my employer; can also provide guidance and support to others	Evidence of attendance from organisational CPD log system

22/08/2020	Data Camp - Introduction to the Tidyverse	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
26/08/2020	Data Camp - Introduction to R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
01/09/2020	Data Camp - Intermediate R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
03/09/2020	Data Camp - Data Manipulation with dplyr	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
07/09/2020	Data Camp - Introduction to Statistics in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
07/09/2020 to 10/09/2020	Attendance at virtual RSS conference	Formal/educational	20	Expanded own understanding of statistics	Better equipped to undertake role for employer in developing	Emails / notes made / presentations created

				and recent developments in the field	infrastructure and outputs; can also provide guidance and support to others; also, opportunity to identify new tools and techniques and how these can be used within my employment	
11/09/2020	Data Camp - Introduction to Statistics in Spreadsheets	Formal/educational	4	Explored this course to identify opportunity for supporting / delivering training within my organisation	Better equipped to undertake role for employer in providing training, guidance and support to others	DataCamp Certificate
17/09/2020	Data Camp - Joining Data with dplyr	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
24/09/2020	Data Camp - Introduction to Data Visualization with ggplot2	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
25/09/2020	Data Camp - Introduction to Importing Data in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
02/10/2020	Data Camp - Data Manipulation with Data.Table in R	Formal/educational	4	Expanded own understanding of R as a	Better equipped to undertake role for employer in developing	DataCamp Certificate

				data management and statistical analysis tool	infrastructure and outputs; can also provide guidance and support to others	
06/10/2020	The state of the UK's statistical system	Professional activity	1	Expanded own understanding of the systems by which official and national statistics and management information are produced by government to inform awareness of the data available, as well as how I can echo the approaches adopted for statistics production in my own role and work	Better equipped to undertake role for employer by building awareness of content and quality of official statistical outputs; also able to provide guidance and support to others in the use of these resources and also how we develop organisational infrastructure to make these outputs available to as wide an audience, and is as accessible a format, as possible	Evidence of attendance from organisational CPD log system
06/10/2020	Data Camp - Joining Data with Data.Table in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
15/10/2020	Data Camp - Intermediate Importing Data in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
24/10/2020	Data Camp - Intermediate Data Visualization with ggplot2	Formal/educational	4	Expanded own understanding of R as a	Better equipped to undertake role for	DataCamp Certificate

				data management and statistical analysis tool	employer in developing infrastructure and outputs; can also provide guidance and support to others	
27/10/2020	Data Camp - Cleaning Data in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
02/11/2020	Data Camp - Working with Dates and Times in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
04/11/2020	Train the trainer (condensed for trainers) – taught course (tools of techniques of effective training)	Work-based learning	3.5	Expanded own understanding of how to develop and deliver effective training	Better equipped to deliver effective training to trainees initially; but also, able to use the techniques learned as part of statistical training courses	Evidence of attendance from organisational CPD log system
05/11/2020	Train the Trainer – Value for Money Quantitative analysis (Year 1) – taught course (Specifics of material to be taught to accountancy trainees)	Work-based learning	3	Expanded own understanding of how to develop and deliver effective training	Better equipped to deliver effective training to trainees initially; but also, able to use the techniques learned as part of statistical training courses	Evidence of attendance from organisational CPD log system
05/11/2020	Data Camp - Introduction to Python for Data Science	Formal/educational	4	Expanded own understanding of python as a data management and statistical analysis tool - explored for consideration	Better equipped to undertake role for employer in developing infrastructure and outputs;	DataCamp Certificate

				as part of data management infrastructure	can also provide guidance and support to others	
06/11/2020	Local Government Finance Training – taught session	Work-based learning	2	Expanded understanding of local government finance	Better equipped to undertake role for employer in developing infrastructure and outputs pertaining to local government finance; can also provide guidance and support to others	Evidence of attendance from organisational CPD log system
09/11/2020	Data Camp - Exploratory Data Analysis in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
11/11/2020	Data Camp - Case Study - Exploratory Data Analysis in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
13/11/2020 to 17/12/2020	Delivery of Value for Money training to trainees (4 sessions)	Work-based learning	8	Expanded experience of delivering effective training - also learnt from students about which aspects of content and technique worked well and which were potentially confusing	Better equipped to deliver effective training as part of my role	Evidence of attendance from organisational CPD log system
14/11/2020	Data Camp - Introduction to Data in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs;	DataCamp Certificate

					can also provide guidance and support to others	
24/11/2020	Anti-Money Laundering - 24-11-2020	Work-based learning	1	Mandatory training	Able to perform my role safely and to identify risks that may occur in my work	Evidence of attendance from organisational CPD log system
26/11/2020	Display Screen Equipment - 26-11-2020	Work-based learning	0.5	Mandatory training	Able to perform my role safely and to identify risks that may occur in my work	Evidence of attendance from organisational CPD log system
26/11/2020	Fire Safety - 26-11-2020	Work-based learning	1	Mandatory training	Able to perform my role safely and to identify risks that may occur in my work	Evidence of attendance from organisational CPD log system
26/11/2020	Data Camp - Modelling with Data in the Tidyverse	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
27/11/2020	Personal safety - 27-11-2020	Work-based learning	1	Mandatory training	Able to perform my role safely and to identify risks that may occur in my work	Evidence of attendance from organisational CPD log system
28/11/2020	Working Safely - 28-11-2020	Work-based learning	1	Mandatory training	Able to perform my role safely and to identify risks that may occur in my work	Evidence of attendance from organisational CPD log system
16/12/2020	Divided by Tim Marshall - external presentation on the creation and impact of walls in society	Work-based learning	1	Expanded broader understanding of society and the importance and relevance of these issues to the work I undertake	Able to consider broader societal aspects in my role and the outputs I create	Evidence of attendance from organisational CPD log system

18/12/2020	Data Camp - Introduction to Writing Functions in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
22/12/2020	Data Camp - Dr. Semmelweis and the Discovery of Handwashing	Formal/educational	2	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
23/12/2020	Data Camp - Correlation and Regression in R	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
29/12/2020	Data Camp - Categorical Data in the Tidyverse	Formal/educational	4	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
31/12/2020	Data Camp - Introduction to SQL	Formal/educational	3	Expanded own understanding of SQL as a data management and analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	DataCamp Certificate
01/01/2020 to 31/12/2020	Performance review: taking part in task-specific snapshot summaries, mid-year review, and annual	Work-based learning	6	Expanded understanding of my role; how my skills can be best used within this	Expanded understanding of the aspects of performance	Evidence of attendance from

	appraisal processes - also reflecting on and providing feedback			role; and where I need to develop further	that are most valued and need to be built up	organisational CPD log system
01/01/2020 to 31/12/2020	School Governor - described activities / breakdown - attending termly / link governor / disciplinary meetings + prep and thinking for these	Other	20	Expanded understanding of governance and the role and importance of governance in ensuring effective outcomes for stakeholders coupled with efficient and economic approaches to the use of funding	As well as gaining specific knowledge of the education sector, my understanding of governance also helps me to shape content and analytical approaches to the use of data in my day job, and contributes, where relevant, to better exploring and describing the effectiveness and efficiency of delivery by government departments	Attendance record from local authority
01/01/2020 to 31/12/2020	Reading / personal study - R for Data Science (Hadley Wickham and Garrett Golemund)	Self-directed learning	8	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	Library entry
01/01/2020 to 31/12/2020	Reading / personal study - Introductory R (Robert J Knell)	Self-directed learning	8	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	Library entry
01/01/2020 to 31/12/2020	Reading / personal study - The Undercover Economist (Tim Harford)	Self-directed learning	3	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs;	Library entry

					can also provide guidance and support to others	
01/01/2020 to 31/12/2020	Reading / personal study - Economics	Self-directed learning	2	Expanded own understanding of R as a data management and statistical analysis tool	Better equipped to undertake role for employer in developing infrastructure and outputs; can also provide guidance and support to others	Library entry
01/01/2020 to 31/12/2020	<p>Statistics / Surveys co-lead for these disciplines for the organisation.</p> <p>Learning activities included:</p> <ul style="list-style-type: none"> • developed descriptive statistics and hypothesis testing training courses; • re-developed website and objectives for disciplines; • planned portfolio of training to include sampling, statistical distributions, correlation and regression, to align with usage of techniques within studies and to enable network membership to undertake development; • presented to discipline leads on revised website, RSS conference and support provided in relation to survey data collection and analysis in relation to COVID-19 support scheme; 	Professional activity	24	Expanded my understanding of the range of topics the organisation is required to explore; as well as the different tools and approaches studies can take to exploring these topics	Expanded understanding of the skills and experiences of employees that we can draw upon, but also that we need to leverage and build upon in order to improve organisational understanding, learning and development, and how I can support career development for all employees	Emails / calendar entries re: sessions undertaken; training materials created

	<ul style="list-style-type: none"> supported exploratory sessions with potential studies to provide advice and guidance on statistical options that may be useful in extracting new insights 					
01/04/2020 to 31/12/2020	<p>Coordination of weekly team meetings. Includes:</p> <ul style="list-style-type: none"> facilitating the delivery of a programme of knowledge sharing; identifying topics and presenters; preparing for and presenting on several topics including web-scraping; text mining; operational and process management hub; surveys discipline and website; subject matter expert for Transport; and RSS conference (overview and Polling session) 	Professional activity	12	Expanded my understanding of the range of topics the organisation is required to explore; as well as the different tools and approaches studies can take to exploring these topics	Expanded understanding of the skills and experiences of employees that we can draw upon, but also that we need to leverage and build upon in order to improve organisational understanding, learning and development, and how I can support career development for all employees	Rota of sessions / presentation materials created