

# Christopher D Jones

Consultant SAS Developer / Programmer  
Data Scientist / Analyst  
chris@bigsas.co.uk  
www.bigsas.co.uk  
07846 123 234

## Skills

### SAS Modules, Intelligence Platform Tools (9.4) and Operating Systems

Base, SQL, Macro, SPDS, Graph, Access, Connect, IntrNet, htmSQL and Share.

SAS DI Studio, SAS Enterprise Miner, SAS Enterprise Guide, SAS Warehouse Administrator, SAS Management Console, Parallel Processing, Production Processes Management and Analytical Environment Management

UNIX including AIX and Linux, shell scripting for automation, trigger-based and scheduled batch mode SAS processing, system usage monitoring, Hadoop / HDFS management, security models (with ACLs) and structure design naming conventions.

### Other Programming and Computing

Python, MS SQL, MySQL, PHP, Ruby on Rails, ActionScript, JavaScript, VBA, Assembly (low level language programming for microprocessors), Matlab and Audit Command Language. Desktop publishing (OpenOffice, MS Office, including MS Access), Creative (Adobe Creative Suite, including Photoshop and Flash, GIMP), accounting and audit software (Integra, ACL), command line clients (PuTTY), sFTP clients (Filezilla, WinSCP), mark-up scripting (HTML5, CSS, XML, AJAX, TeX (LaTeX) and non-mark-up scripting (YAML).

## Recent Assignments as SAS Consultant Developer, bigSAS Ltd

### January 2016 – October 2016

#### HSBC Group (Global), London, UK IFRS9 SAS Developer

- Technical lead for the development and implementation of the predictive expected credit loss (ECL) calculation for the global HSBC group, in accordance with IFRS9 regulatory compliance, on the SAS 9.4 Intelligence Platform with Hadoop;
- Presenting a demo of the IFRS9 Retail ECL calculation in SAS DI Studio over a live feed to 138 participants;
- Managing ETL for the project, defining IFRS9 concepts and setting naming convention standards;
- Testing server environment, its functionality and designing security model;
- Working within a constantly changing Agile environment, managing releases for testing within mini life-cycles for full version control;
- Gathering requirements and driving details of calculations and filling in gaps;
- Full documentation, praised for clarity and precision;
- Note that this assignment followed a period of travel from August to December 2015.

### January 2014 – July 2015

#### Open University, Milton Keynes, UK Data Scientist / MI Analytical Developer

- Building a management information framework, a dimensional data mart and a propensity model for Marketing Analytics at the Open University.

### November 2013 – December 2013

#### ING Bank via Business & Decision, Brussels, Belgium SAS Developer

- Technical lead on a two month project for Business & Decision to migrate 540 key processes to SAS 9.3 at ING Bank, Brussels.

## Academic Career

**The University of Cambridge, Cambridge, UK, 2005**  
MSc Mathematics, courses cancelled

**The University of Warwick, West Midlands, UK, 2002**  
BSc Mathematics, First Class with Honours

**The John Henry Newman School, Hertfordshire, UK, 1998**  
A-level Mathematics, Physics, Chemistry and Art & Art History, Four A grades

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## Previous Professional Experience

**January 2012 – November 2013**

**PricewaterhouseCoopers (PwC), London, UK  
Senior Data Assurance Analyst**

- Performing data analytics on ledger data to support audits using ACL;
- Liaising between external clients, key stakeholders, audit teams and line management;
- Gathering audit requirements and managing the ETL of appropriate ledger data;
- Taking ownership of ad hoc projects to provide assurance on data and processes;
- Supporting team members with the above

**March 2011 – December 2011**

**Barclays Retail & Business Banking (Western Europe), Northampton & London, UK  
Data Management Lead SAS Developer / Analyst**

- Responsible for defining the technical aspects of the analytical environment to meet the business requirements of the Western Europe community spanning Credit Risk, Finance and Marketing, and ensuring that Technology work towards meeting those;
- Realising the design and delivery of a new analytical environment (SAS/Unix) into the existing estate alongside managing the impact of a larger programme to replace every operational system for our portfolios;
- Responsible for main sections of the Build Guides, designing the data structure and security model and its implementation through the three phases of development, pre-production and production;
- Managing communications with our end users, including going out to identify key processes and setting up an intranet portal as a single repository of information, user guides and documentation

**November 2007 – March 2011**

**Barclaycard International (via Base 3 for first six months), Northampton, UK  
Data Management SAS Analyst**

- Working in Credit Risk in the Data Management / Portfolio Performance team, responsible for the provision, publication and supporting the use of daily data;
- Taking the lead on the automation of production SAS processes within the Unix environment;
- Responding to ad hoc requirements for the development or modification of management information reporting;
- Building data dictionaries and developing documentation

**June 2007 – October 2007**

**The Co-Op Bank (via Base 3), Manchester, UK  
Data Management SAS Developer / Analyst**

- Working within the Basel II workstream in Credit Risk, responsible for SAS data migration, data quality and the periodic MI data mart processing;
- Taking ownership of user, profile and repository metadata administration;
- Designing Data Management processes and building them in SAS DI Studio;
- Managing business stakeholders and developing added functionality within the Credit Risk Intranet site to meet their requirements.
- Integrating best practice concepts from web development for a flexible, agile solution, giving a more user-friendly and powerful application;
- Producing Data Integration / ETL documentation, including setting a standard for the team looking forward

**March 2007 – May 2008**

**Base 3 Systems, Skipton, North Yorkshire, UK  
SAS Consultant**

- Receiving comprehensive SAS training in a six-week workshop before being placed at The Co-Op Bank and Barclaycard International as above for eleven months

## Professional Development

- Advanced SAS Training Course (Base 3, six weeks);
- SAS DI Studio (SAS Institute, three days);
- The Basel II Framework (Barclays, two days);
- Influencing Skills (Barclays, two days);
- Incorporated my own UK limited company, bigSAS Ltd