

**SUNIL K. GUPTA**  
Principal Consultant  
Sunil@GuptaProgramming.com

213 Goldenwood Circle  
Simi Valley, CA 93065  
(805) 584 - 6182

**Web Site:** <http://www.GuptaProgramming.com>

**OBJECTIVE:** To provide quality service, books and tools in software application management, development, training, and support for business information systems.

7/94 - Present **Gupta Programming**, Simi Valley, CA  
**Author, Trainer, Principal Consultant, Project Manager, Lead Programmer**  
**SAS Certified Base Professional™, SAS Institute Quality Partner™ (1996 – 2001)**

Software Developer: SAS, HTML, Oracle Clinical, Microsoft ACCESS & Excel  
SAS Specialization: BASE, ODS, PROC TABULATE, PROC REPORT, STAT,  
SQL, GRAPH, MACRO & ACCESS.

Key Features: Application Development, Data Warehouse, Web Publishing,  
Biostatistics, Report and Graph Generation, SQL Language and Macro  
Language Programming, IQ/OQ/PQ Validation, Testing and Documentation.  
SAS Training and Certification Preparation.

Operating Systems: UNIX - Informix & Oracle Clinical, PC & MAC, MVS-DB2

**PRODUCTS:** **New SAS Book** – “Analysis and Reporting Made Easier Using SAS Learning Edition” – working title in progress by Sunil Gupta, SAS Publications, SAS Institute Inc. Shows how to easily create complex reports, analysis and graphs without writing any SAS code.

**New SAS Book** – “Sharpening Your SAS Skills” by Sunil Gupta, Curt Edmonds, CRC Press, April 2005. Shows how to advance your career and understanding of the SAS programming by focusing on important key SAS facts, similarities and differences.  
[http://crcpress.com/shopping\\_cart/products/product\\_detail.asp?sku=C5017&parent\\_id=&parent\\_id=&parent\\_id=](http://crcpress.com/shopping_cart/products/product_detail.asp?sku=C5017&parent_id=&parent_id=&parent_id=)

**SAS Book** - “Quick Results with the Output Delivery System” by Sunil K. Gupta, Author, SAS Publications, SAS Institute Inc., [February 2003](http://www.sas.com/service/doc/bbu/companion_site/home.html), [http://www.sas.com/service/doc/bbu/companion\\_site/home.html](http://www.sas.com/service/doc/bbu/companion_site/home.html) . Shows how to create RTF, PDF and HTML files with summary to detail drill-down graphs.

**SAS Book** - “Power SAS: A Survival Guide” by Kirk Paul Lafler, Technical Reviewer – Sunil Gupta, Apress, <http://www.apress.com>, October 2002. Tested and reviewed code for DDE, Data Access, Merging Files, Macro Facility, and Program Efficiency.

**SAS Programs** – Best Practices Clinical Trial Reporting Templates™, Sunil K. Gupta, Developer of Proc Tabulate, Proc Report, Proc SQL and Data \_NULL\_ tables, available within ASAP™ software application, used in Marketing Alliance with ComplementSoft LLC, <http://www.complementsoft.com>, May 2002

#### **DEVELOPED AND TAUGHT SAS CLASSES:**

##### **Customized Reports with SAS Output Delivery System (ODS)**

Course Developer & Instructor, SANDS 2005, WUSS 2004, Pasadena, CA, SCSUG 2003, Houston, TX, Quintiles Inc., Thousand Oaks, 2001, WUSS 2000, Scottsdale, AZ

**Sharpening Your SAS Skills: Preparing for SAS Base Certification**

Course Developer & Instructor, WUSS 2005, San Jose, CA, WUSS 2004, Pasadena, CA, WUSS 2003, San Francisco, WUSS 2002, San Diego, CA

**WHERE vs. IF Statements: Examples in usage and differences**

Hands-On-Workshop Course Developer & Instructor, WUSS 2005, San Jose, CA

**SAS Essentials – Learning and Practicing SAS Programming**

Course Developer & Instructor, Amgen Sales and Marketing, Jan. 2004

**ODS Workshop: ODS Results - Understanding How to Customize**

**Output Without Using Proc Template**, San Diego SAS Users Group, June 2003

**Advanced ODS Workshop: ODS Results - Understanding How to Customize**

**Output Using Styles and Templates**, San Diego SAS Users Group Meeting, Nov. 2001

**Preparing the SAS Software Programming Environment for Regulatory**

**Submission**, Course Developer & Instructor, WUSS 2002, San Diego, CA

**LIST OF CLIENTS:**

- 9/03 – 10/04 **Connetics**, Palo Alto, CA
- Develop macros to create tables as RTF files using ODS's Table and Style Templates and PROC REPORT. Develop and validate CRTs to be used in FDA submission.
- 6/03 – 12/03 **Judicial Council of California**, San Francisco, CA
- Develop macros to automatically create over 2,000 tables as HTML and PDF files using ODS and PROC TABULATE from a data-driven excel file. Macros were robust to process standard tables and customized tables. Validated and documented the process and tables.
- 9/02 – 12/03 **Advanced Medical Optics**, Santa Ana, CA
- Develop macros to create customized tables as RTF files using percent print macros. Develop validation and documentation steps for each table.
- 11/99 – 12/02 **Synteract Inc.**, Encinitas, CA
- Develop validation & documentation of all Software Applications and Tools. Wrote Installation and Operational Qualifications protocol and summary reports.
  - Develop SOPs for Software Development Life Cycle, Computer System Validation and Computer System Audit. Work with Project Managers. Pass FDA audit.
- 4/98 - 6/98 **Aviron**, Mountain View, CA (Consultant with Westech)
- Generate analysis and reports for Integrated Summary Tables.
  - Meet short time schedule to produce Summary and Listings of many Clinical Studies for quality assurance of Integrated Summary Tables. Generate HTML and PDF files for FDA review.
- 3/98 - 9/98 **Statistics & Information Systems Consulting**, Orange, CA
- Manage project - generate Safety and Efficacy analysis for Clinical Study.
  - Convert data listings and statistical reports to be Year 2000 Compliant.
- 2/98 - Present **Amgen Inc.**, Thousand Oaks, CA (Consultant with Quintiles, SMCI & Westech)
- Manage, train and mentor new employees on Sponsor programming standards.

- Manage a successful FDA submission along with three other clinical studies.
- Developer of Task-Oriented Macros for General Edit Check and CRT Validation Requests
- Evaluate SAS code for efficiency and scalability issues for the PK department.
- Develop and validate code for successful product PLA submission to FDA.
- Manage project to migrate three studies from Informix to Oracle Clinical. Perform development, documentation, testing and QA. Write standard macros and programs.
- Develop tables, listing and graphs for submission to FDA. QA each program.
- Utilize dictionary tables to dynamically convert SAS data sets to standard data structure. Build system with quality control checks.
- Create HTML file to enable access to numerous tables through hyperlinks in complex tree structure. Maintain a SAS application that generates HTML and RTF files for clinical trial listings, tables and figures. Maintain JAVA Script code.
- Prepare Adverse Events files and datasets for Safety Department Datamart - use SAS for data extraction, cleaning and transformation.
- Manage the conversion of Sales and Marketing interface and report programs to be Year 2000 Compliant. Test and document results.
- Trouble-shoot and document key business reports for weekly production.
- Work with Marketing Managers, Contract Sales, and Sales Administration to develop ad hoc reports. Write and document the programs to generate reports on a monthly and quarterly basis.
- Perform market analysis of Health Care Facilities to manage patients by hemoglobin for Epogen Marketing. Analysis of Quality of Life Data.

10/97 - 1/98 **Kaiser Permanente**, Oakland, CA (Consultant with Trilogy)

- Develop report specification for Health Care Management Information.
- Update Reporting Application with new and improved reports.

7/97 - 12/97 **Miravant Medical Technologies**, Santa Barbara, CA

- Develop tables and listings for Clinical Studies.
- Work with ClinTrials Software to extract data files for analysis.

6/95 - 8/97 **Amgen Inc.**, Thousand Oaks, CA (Consultant with Mini-Systems)

- Participate in 2 successful product PLA submissions to FDA.
- Develop advanced Clinical Study Data Entry System on the PowerPC.
- Develop Macro-Based Application for Report Generation System of MGDF Clinical Studies. This facilitated report creation for new studies and minimized programming maintenance of existing studies.
- Create custom plots and charts utilizing the annotate facility.

10/96 - 1/97 **Timely Technical Solutions**, Chapel Hill, NC

- SAS validation programming for field and logical error checking of clinical study data. Utilize macros and formats of error codes to improve the efficiency and maintenance of the application.

10/94 - 5/95 **Cema Distribution**, Woodland Hills, CA (Consultant with SMCI)

- Manage the production of Inventory and Finance Reports from Data Warehouse: Improved efficiency of SAS production of reports.
- Process upto 40 million records of information on US Sales, Inventory, & Orders. Manage data on Retail Sales and Advertising Expenses.
- Supervise two personnel - SAS Programmer & SAS Consultant.

7/94 - 3/96 **San Diego Clinical Research Associates, Inc., A Quintiles Company**  
Santa Ana, CA

- Independently develop SAS code and applications including macro language programming, statistical analysis, table generation, and data listing within an aggressive timeline. SAS programs and outputs are used by the CRO for submission for product approval by FDA.
- Create Microsoft Access application for clinical study that is used for data entry, data verification, and report generation.

**EDUCATION: Development and Validation of Statistical Reporting Systems, Quintiles, March 2005**

**SOPs for SAS Programming: Tools for Part 11 Compliance, Quintiles, Thousand Oaks, CA Sept 2004**

**What Needs to be In a Product Submission: An FDA Reviewer's Perspective, Quintiles, Thousand Oaks, CA Jan 2004**

**Overview of Oracle Clinical, Amgen, Thousand Oaks, CA Nov. 2001**

**Advanced Topics in ODS, Long Beach, CA, SUGI 2001**

**ODS for Data Analysis, Long Beach, CA, SUGI 2001**

**New Features in the Nashville Release of the SAS® System  
3rd Quality Partner Conference, Cary, NC, September 1999**

**Preparing SAS Applications for the Year 2000: Hands On Workshop  
Workshop Developer & Instructor, Nashville, TN, SUGI 1998**

**Introduction to Object Modeling, Introduction to SAS/MDDS  
Chicago, IL, SUGI 1996**

**Oracle: Year 2000 Compliance for DBAs  
Seminar Developer, San Jose, CA, March 1998**

**Implementing a Data Warehouse Using SAS Software  
SAS Institute, Irvine, CA, January 1997**

**Cognos Introduction to Impromptu and PowerPlay  
Amgen, Thousand Oaks, CA, November 1998**

**Algebra and Trigonometry  
Course Instructor, Greenville Technical College, Greenville, SC, Winter 1988**

**CLEMSON UNIVERSITY, Clemson, SC  
MS Bioengineering, December 1986**

**COLLEGE OF CHARLESTON, Charleston, SC  
BS Applied Mathematics, May 1985**

**HONORS & MEMBERSHIPS:**

- SUGI Section Chair – Systems Architecture (2006)
- SAS's Books By Users (Since 2/2003)
- Quintiles STAR Award (Leadership, Integrity, Quality, Teamwork) (2/2004)

SAS Base Programming Exam Certified (10/2003)  
Invited Speaker at UCLA - "SAS's ODS Technology for Today's Decision Makers", (9/2003)  
SAS Certified Professional V6™ (12/2000)  
Western Users of SAS Software - Program Chair (1998), Code Doctor (2001), Corporate Sponsor Coordinator (2003, 2002, 2001), Judge Coordinator (2004), Lunch Time Activities Coordinator (2005), Code Doctor (2005)  
SAS Institute Quality Partner™ (1996-2001)  
Honorary Chairman of the Business Advisory Council (11/2002)  
International Who's Who of Information Technology (1999)  
Who's Who in Executives and Professionals (2002)  
PharmaSUG Newsletter Co-Editor (1996, 1997)  
SAS Users Group - San Diego & Southern California (Since 1995)  
Medical Device & Diagnostic Industry Reader's Board (Since 1997)  
Consultants SAS User Group (Member since 1996)

**PERSONAL:** U.S. Citizen; Excellent health; Enjoy tennis, reading, and traveling.

**OVER 43 PRESENTATIONS & PUBLICATIONS:**

WHERE vs. IF Statements: Knowing the difference in how and when to apply – *SAS Technical Tip – June 2005, Invited paper in SAS Solutions section at WUSS 2005*

Task-Oriented Macros for General Edit Check and CRT Validation Requests, Amgen Biostats Department, Quintiles Programmers Meeting, March 2005

On-the-Job Training Improves Job Performance, Guest Editorial article in Certification Magazine, May 2005 issue,  
[http://www.certmag.com/articles/templates/cmag\\_department.asp?articleid=1172&zoneid=63](http://www.certmag.com/articles/templates/cmag_department.asp?articleid=1172&zoneid=63)

"Analysis and Reporting Made Easier Using SAS Enterprise Guide" – WUSS 2005, *Invited paper in SAS Solutions section at WUSS 2004*

Preparing Reports for the Data Monitoring Committee – Visual Basic Macros, Quintiles Staff, April 2004

Using PROC SQL's subquery, Quintiles Programmers Meeting, February 2003

"SAS ODS Technology for Today's Decision Makers", **SUGI 2005, UCLA, September 16, 2003, Los Angeles Basin User Group, August 14, 2003, WUSS 2003**

"Getting Familiar with SAS version 8.2 and 9.0 Enhancements", **San Diego SAS Users Group Meeting, June 2003, WUSS 2003**

"Utilizing Clinical SAS Report Templates with ODS", **WUSS 2002**

"Generating Quality RTF Files (Proc Tabulate) with the Output Delivery System", Amgen Biostats Department, Quintiles, April 2002

ODS Template/Style Gallery, Web site resource for Style and Table Templates,  
[http://ira.csustan.edu/ira\\_development\\_css/sasresources/styles/](http://ira.csustan.edu/ira_development_css/sasresources/styles/), April 2002

"SD/01 Project: Data Warehouse Presentation", Amgen Biostats Department, Programmers Odds and Ends Meeting, December 2000

“Introduction to Mailx Command in UNIX”, Amgen Biostats Department, Programmers Odds and Ends Meeting, October 2000

“Quick Results with the Output Delivery System” – *Invited Paper in Beginner Tutorial section at WUSS 2004, SUGI 2002, WUSS 2002 and at SVSUGS Fall 2002*, Amgen Biostats Department, Programmers Odds and Ends Meeting, January 2001

“Using Styles and Templates to Customize SAS® ODS Output” - *Invited Paper in Advanced Tutorial section at SUGI 2004, SUGI 2002, SUGI 2001 and WUSS 2001*

“Preparing the SAS® Software Programming Environment for Regulatory Submission” - *Invited Paper in Data Warehouse section at SUGI 2001, WUSS 2000, SUGI 2000*

“Utilization of SAS® programs in the Business Environment”, Sunil K. Gupta, Charles E. Shipp - **Poster Presentation at WUSS 2000, SUGI 2000**

"An Alternative Method of Transposing Data Without the Transpose Procedure" – **SUGI 2005, SUGI 1997, South-East SAS Users Group Meeting 1995, San Diego SAS Users Group & Western Users of SAS Software 1995 - Best Contributed Paper**

"Designing Clinical SAS Service Request Forms" - **SUGI 1997, South-East SAS Users Group Meeting 1995 & Western Users of SAS Software 1995 - Best Contributed Paper**

"Converting Clinical Data Management Systems: The Year 2000 Challenge" - **Medical Device & Diagnostic Industry Magazine, December 1997**

"Testing Medical Device for Year 2000 Compliance" - **Medical Device & Diagnostic Industry Magazine, May 1998**

"Selectively Processing SAS Datasets - Technical Tip" - **PharmaSUG Newsletter 1997**

"Utilizing Clinical SAS Report Templates" - **SUGI 1997, South-East SAS Users Group Meeting 1995 & Western Users of SAS Software 1995**

“Survival Strategies and Solutions for the New Millennium - Year 2000” - Kirk P. Lafler, Sunil K. Gupta, Charles E. Shipp - **SUGI 1997**

“Year 2000 Solutions” - Kirk P. Lafler, Sunil K. Gupta, Charles E. Shipp - **Poster Presentation at PharmaSUG 1997**

"Database Design Strategies in CANDAs" - **PharmaSUG 1996 - Best Contributed Paper**

"Solving Business Problems with the SQL Procedure”, Kirk Paul Lafler, Sunil K. Gupta - *Invited Paper in Data Warehouse section at SUGI 1996*

"SAS Tools and Internet”, Charles E. Shipp, Kirk Paul Lafler, Sunil K. Gupta - **Poster Presentation at SUGI 1996, PharmaSUG 1996 - Best Contributed Poster, Valley of the Sun SAS Users Group 1996**

