

KAIRAVI CHAHAL

statistician with a strong interest in graphics
(814) 659-3990 // kairavichahal@gmail.com

SKILLS

Data analysis
Large datasets
Experiment and survey design
Visualizing data
Technical writing
Copy editing
Graphical layout
Web design
Working with high-detail

Advanced

Hindi
R
LaTeX
HTML + CSS
Processing
Adobe Creative Suite

Intermediate

Java
Python
SPSS
Minitab
Excel

Basic

SAS
SQL

COURSEWORK

Advanced Methods for Data Analysis
Applied Multivariate Methods
Statistical Computing
Modern Regression
Introduction to Statistical Inference
Probability Theory and Random Processes
Statistical Graphics and Visualization
Experiment Design for Social Sciences

INTERESTS

Travelling
Graphic design
Puzzles
Linguistics

EDUCATION

Carnegie Mellon University

Pittsburgh, PA // May 2014

Bachelor of Science in Statistics (Visualization) // Minor in Architecture
Major GPA: 3.4 of 4.0

The Shri Ram School - Aravali

Gurgaon, India // March 2010

EXPERIENCE

Teaching Assistant // Tepper School of Business

Carnegie Mellon University // January 2012 – present

Course teaches HTML, CSS, Adobe Dreamweaver and basic design principles
Demonstrated labs, held help sessions and office hours and graded homework

Teaching Assistant // Department of Statistics

Carnegie Mellon University // August – December 2013

Course covers conditional probability, distributions and limit theorems
Held weekly office hours and graded homework and exams

Digital Modelling Intern // ARCOP Associates Pvt. Ltd.

New Delhi, India // July 2011

Created digital models and animations in Rhino and 3DS Max for a large project

PROJECTS

Record Linkage // Prof. Rebecca Steorts

Department of Statistics, CMU // May – August 2013

Extended and tested algorithm to match unique individuals across databases
Cleaned real National Long-Term Care Survey dataset with over 50,000 entries

NSF Census Research Network // Graphics and Visualization

Group class project, CMU // Spring 2013

Visualized 2010 US Census data from Kansas City, KS and MO
Analyzed distributions of income, age, education and other demographics

Yelp Dataset Challenge // Graphics and Visualization

Individual class project, CMU // Spring 2013

Produced a visual analysis of restaurant data in Phoenix, AZ from Yelp!
Worked extensively with maps and representation of higher-dimensional data

ACTIVITIES

Comics Editor // The Tartan

CMU // August – December 2013

Curated and assembled comics/puzzles section and produced a comic strip
Copy editing and layout
Redesigned *thetartan.org*