

Contact

www.linkedin.com/in/francislai
(LinkedIn)

Top Skills

Predictive Analytics
SAS
Statistics

Certifications

edX Honor Code Certificate for
Sabermetrics 101: Introduction to
Baseball Analytics
Bayesian Statistics: Techniques and
Models (with Honors)
R Programming
Statistical Learning

Publications

Long Term Treatment with Botulinum
Toxin Type A in Cervical Dystonia
Has Low Immunogenicity by Mouse
Protection Assay

Francis Lai

Statistician/Data Scientist
Orange County, California Area

Summary

Professional statistician with close to 20 years of industry experience and recent training in predictive analytics and data science.

Experience

Ivantis, Inc
Sr. Manager, Biostatistics
April 2019 - Present (1 year)

PRA Health Sciences
Principal Biostatistician
March 2017 - April 2018 (1 year 2 months)
Orange County, California Area

Francis Lai
Statistical Consultant
March 2011 - March 2017 (6 years 1 month)
Orange County, California Area

Conduct statistical analyses by building univariate and multivariate models, testing hypotheses, and performing quality control using SAS for internal reporting and external submission purposes. Author statistical analysis plans for clinical trials on therapeutic areas such as ophthalmology, neurology, virology, and rheumatology

Allergan
7 years 11 months
Manager, Biostatistics
January 2010 - September 2010 (9 months)
Irvine, CA

Served as project statistician on dozens of studies across ophthalmology, dermatology, and neurology. Provided statistical expertise in protocol creation, performed sample size and power calculations, conducted statistical analysis and quality control, managed all statistics related activities in clinical study report development and regulatory (FDA and EU) submissions.

Managed internal and outsourced activities for all consumer eye care projects. Collaborated with the project team as the biostatistics representative to address questions from the Food and Drug Administration (FDA) that led to a successful 510(k) clearance.

Principal Biostatistician

January 2007 - January 2010 (3 years 1 month)

Irvine, CA

Senior Biostatistician

February 2005 - December 2006 (1 year 11 months)

Irvine, CA

Biostatistician

December 2003 - February 2005 (1 year 3 months)

Irvine, CA

Consultant Biostatistician

November 2002 - November 2003 (1 year 1 month)

Abbott

Consultant Statistician

June 2001 - October 2002 (1 year 5 months)

As a consultant statistician with MedFocus, Inc., generated tables and listings for 5 Phase III (including 2 oncology) studies, for purposes of internal reporting, as well as NDA(1SE) and s-NDA submissions to the FDA.

Assisted in writing clinical study reports for these studies following ICH/Abbott guidelines. Validated data integrity and performed peer-review/quality checks on protocols, analysis plans, and SAS programs.

GSK

Associate Biostatistician

May 2000 - December 2000 (8 months)

Toronto, Canada Area

Generated statistical tables for Phase III and Phase IV migraine studies. Provided quality control on data analysis plans and SAS programs. Authored the statistics methods and results sections of a clinical study report.

Education

University of Waterloo

MMath, Biostatistics · (1999 - 2001)

UC Irvine, Extension

Predictive Analytics, Predictive Analytics · (2013 - 2014)

University of California, Irvine Division of Continuing Education

Personal Financial Planning, Business and Personal/Financial Services

Marketing Operations · (2011 - 2012)

Queen's University

BSc.(Hons), Statistics · (1995 - 1999)