

## CURRICULUM VITAE

Monica Dabos

College of the Canyons

26455 Rockwell Canyon Road

Santa Clarita, CA 92355

Office: 661-362-3422

Cell: (805) 452-2107

[monicadabos@gmail.com](mailto:monicadabos@gmail.com) and <http://www.monicadabos.com>

### Education

#### Professional Preparation

University of California, Santa Barbara	Education	Ph.D, 2011
University of California, Santa Barbara	Education	Master, 2010
University of California, Santa Barbara	Statistics	Master, 2003
University of California, Santa Barbara	Mathematics	Bachelor, 2004
Florida State University	Education	Bachelor, 1999

#### Appointments

Statistics Specialist – Full-time faculty:	College of the Canyons (COC), Santa Clarita, CA (January 2013 - Present)
Instructor:	University of California, Santa Barbara (UCSB), Santa Barbara, CA (September 2011 – December 2012)
Instructor:	Santa Barbara City College (SBCC), Santa Barbara, CA (June 2003 – December 2012)
Co-coordinator – College Achievement Program (CAP):	SBCC, Santa Barbara, CA, (August 2003 – December 2013)
Teaching Assistant:	University of California, Santa Barbara (UCSB), Santa Barbara, CA (September 2000 – December 2003)

## **Teaching Experience:**

### **Current:**

Statistics Specialist –Full time faculty: College of the Canyons (COC).  
Santa Clarita, CA (January 2013- Present)

### **Courses Taught:**

- Math 140 - Introductory Statistics
- Math 140H Introductory Statistics Honors
- Math 75 - Intermediate Algebra for Statistics
- Math 75 – Math 140 PAL (Personalized Accelerated Learning)
- Math 60 - Elementary Algebra
- Math 25 - Arithmetic

### **University:**

Instructor: University of California Santa Barbara (UCSB),  
Santa Barbara, CA (September 2011 – December 2012)

Courses for PhD students form fields not related to Statistics such as Education, Communication, Psychology.

### **Courses Taught:**

- ED 214 A- Introductory Statistics,
- ED 216 E- Nonparametric Statistics,
- ED 216 A- Multivariate Statistics

### **College**

Instructor: Santa Barbara City College (SBCC),  
Santa Barbara, CA (June 2003 – December 2012)

### **Courses taught:**

- Math 117 : Elementary Statistics
- Math 120 – College Algebra
- Math 107 – Introductory Algebra and/or
- Math 100 –Basic Algebra

Co-coordinator: College Achievement Program (CAP),  
SBCC, (August 2003 – 2013)

### **Duties:**

- Organize classes and meetings
- Assist mentors with their duties
- Curriculum development

TA (Teacher Assistant): ED 214 A. Department of Education, UCSB, Santa Barbara CA (Fall 2008)

### **Duties:**

- Teach a reinforcement statistics course
- Grade quizzes, projects, mid-terms and finals
- Assist students with Minitab statistics software
- Meet with students on a one-to-one basis

TA (Teacher Assistant): Department of Statistics, UCSB, Santa Barbara CA (September 2000 – June 2003)

Duties:

- Teach a reinforcement statistics course
- Grade quizzes, projects, mid-terms and finals
- Assist students with Minitab statistics software
- Meet with students on a one-to-one basis

Math Tutor: Santa Barbara City College, CA  
(Summer 2002 to date)

Duties:

- Assist students in a self paced math course
- Guide students in the use of the Math softwares: ALEX, Minitab

Spanish and Math Tutor: Santa Barbara City College, CA  
September 1999 - December 1999

Duties:

- Assist students in a variety of math courses
- Help students with basic Spanish

Elementary

Spanish teacher: New Academy elementary school,  
Santa Barbara, CA. (August 2000 – August 2001)

Duties:

- Develop a Spanish curriculum
- Teach K - 5
- Grade
- Participate in student - parent conferences

**Grants** (Total: \$601,091 ~ 571,091 Federal, 30,000 others):

- Training a New Generation of Statistics Educators (TANGO Stat Ed). National Science Foundation Improving Undergraduate STEM Education program. Three year, \$571,091 grant through the IUSE solicitation. Co-Principal Investigator. Create regional hubs to promote statistics education, including establishing mentor relationships and professional development opportunities. My role is Co-Principal Investigator, 2015-2017.
- Training a New Generation of Statistics Educators (TANGO Stat Ed). This Member Initiative from the American Statistical Association extends the NSF TANGO Stat Ed project to pair community college instructors with statistics education mentors on a national level. Co-Principal Investigator. One year, \$10,000. 2015-2016.
- Summer Statistics Institute. Principal Investigator. Chaired, moderated, and organized three days statistics workshop for 35 mathematics instructors. College of the Canyons. \$20,000. 2014.

## Publications:

- Dabos, M. (2016). Two-year College Instructors Conception of Variation. In Ben-Zvi, Dani, Makar, Katie (Eds.), *The Teaching and Learning of Statistics. International Perspectives*, (pp. 175-176). Switzerland. Springer International Publishing.
- Dabos, M. (2015 November 1). Teaching Statistics and Data Science at the Community College. *AMSTATSNEWS*, 461, 17-18.  
<http://magazine.amstat.org/wp-content/uploads/2015/10/AMSTATNEWSNOV15.pdf>
- Dabos, M. (2014). A Glimpse of Two-Year College Instructors' Understanding of Variation in Histograms. *Proceedings of the Ninth International Conference on Teaching Statistics (ICOTS9)*, Flagstaff, Arizona.  
[http://icots.info/9/proceedings/pdfs/ICOTS9\\_C150\\_DABOS.pdf](http://icots.info/9/proceedings/pdfs/ICOTS9_C150_DABOS.pdf)

## Presentations and Workshops:

- Dabos, M. (2016). Statistics from the Students' Voices: p-value. California Mathematics Council Community Colleges (CMC3). Pomona, CA.
- Dabos, M. (2015). Setting the Beat in Statistics: TANGO. California Mathematics Council Community Colleges (CMC3). Monterrey, CA.
- Dabos, M. and Silva, D. (2015). Statistics from Students' Voices: Informal inference. California Mathematics Council Community Colleges (CMC3). Mission Viejo, CA
- Dabos, M. (2014). A Glimpse of Two-Year College Instructors' Understanding of Variation in Histograms. *Proceedings of the Ninth International Conference on Teaching Statistics (ICOTS9)*, Flagstaff, Arizona.  
[http://icots.info/9/proceedings/pdfs/ICOTS9\\_C150\\_DABOS.pdf](http://icots.info/9/proceedings/pdfs/ICOTS9_C150_DABOS.pdf)
- Dabos, M. (2013). What is R-squared, again? The amount of variation on... that.... California Mathematics Council Community Colleges (CMC3). Monterrey, CA.
- Dabos, M. and Gould, R. (2013). Bringing Change to Community College Statistics Courses. *USCOTS (United States Conference on Teaching Statistics)*. Raleigh-Durham, NC.
- Dabos, M. (2013). Statistics Challenges. Workshop presented at the California Mathematics Council Community Colleges (CMC3). Anaheim, CA.
- Dabos, M. (2012). Conceptual Understanding of Statistics Through Technology. Workshop presented at the California Mathematics Council Community Colleges (CMC3). San Diego, CA.
- ICOTS
- Dabos, M. (2012). Two-year college instructors' conceptions of variation. *International Congress on Mathematical Education (ICME-12)*. Seoul, Korea
- Dabos, M. (2012). Non-specialist Graduate Students' Experience of Statistics Courses: From students voices. *Joint Statistical Meeting (JSM)*. San Diego, CA.
- Dabos, M. (2011). Pedagogical Content Knowledge: The Case of statistics. California Mathematics Council Community College (CMC3). San Diego, CA.

- Dabos, M (2009). Poster presentation at United States Conference On Teaching Statistics (USCOTS). Mathematics instructors' conceptions of variation. Columbus, Ohio.
- Dabos, M. (2008). Focusing in the understanding of p-value, Type I and Type II errors. Workshop presented to Santa Barbara City College mathematics professors. Santa Barbara, CA.
- Dabos, M (2006). Workshop presented to Santa Barbara City College tutors. Preparing tutors to assist students in Statistics.
- Dabos, M (2006). Students' Hurdles in Learning Statistics. Poster presentation 7<sup>th</sup> International Conference on Teaching Statistics (ICOTS 06). Brazil.
- Dabos, M. (2004). Motivating students with interactive statistics. Workshop presented at the California Mathematics Council Community College. San Diego, CA.

## **Professional Service**

- Member, Planning Committee, Electronic Conference on Teaching Statistics (eCOTS), 2016 <https://www.causeweb.org/cause/ecots/ecots16>
- Chaired, moderated, and organized regional Electronic Conference on Teaching Statistics eCOTS (2016), College of the Canyons. 2016 <http://www.monicadabos.com/eCOTS.html>

## **Computer Skills**

### **Platforms:**

Windows and Mac OS

### **Software Applications:**

- SPSS: Statistics software
- R: Statistics software
- S-plus: Statistics software
- SAS: Statistics software
- Minitab: Statistics software
- Alex: Math software
- Microsoft Word: Word processing/desktop publishing skills
- Microsoft Excel: Basic spreadsheet operation skills
- Internet: Basic HTML page making.
- Dreamweaver
- PowerPoint
- Computer language: Basic Java

## **Foreign Languages**

English and Spanish

## **Honors and Awards**

- Outstanding Professor Certificate (May 2015)  
College of the Canyons  
Presented by EOPS/CARE
- Outstanding Professor Certificate (May 2014)  
College of the Canyons  
Presented by EOPS/CARE
- Outstanding Professor Certificate (May 2013)  
College of the Canyons  
Presented by EOPS/CARE
- Faculty of the Year (June 2009)  
Santa Barbara City College  
Presented by the Transfer Achievement Program (TAP)
- Certificate of Recognition (Spring 2004)  
Santa Barbara City College  
Presented by Magdalena Torres--Ethnic Studies 121  
As recognition for women of color in the United States that inspires hopes and possibility  
and the contributions to education, multiculturalism and human equity.

## **University of California Santa Barbara**

- Grad USAP Fellowship                      Fall 11
- Grad USAP Fellowship                      Fall 09
- Grad USAP Fellowship                      Winter 2009
- Grad USAP Fellowship                      Winter 2008
- Grad USAP Fellowship                      Spring 2007
- Grad USAP Fellowship                      Winter 07
- Grad USAP Fellowship                      Fall 06
- Grad USAP Fellowship                      Winter 06
- Grad Block Grant Fellowship              Fall 2005
- Grad USAP Fellowship                      Fall 2005
- Grad Support VC Fellowship               Winter 2005
- College Research Fellowship               2004 - 2005

## **Florida State University**

- Undergraduate Fellowship, 1998 - 1999
- Honors in the Major, 1998
- Dean's List, FSU, 1996 -1998

- Minority Transfer Merit Scholarship, 1997 - 1999
- American Women Business Association 1998

### **Tallahassee Community College**

- President's List, 1996 -1997
- President's Scholars Club, 1996

### **Professional Membership**

- ASA: American Statistical Association
- AMATYC: American Mathematical Association of Two-Year Colleges
- NTCM: National Council of Teachers of Mathematics