

# Olga Y. Savchuk

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Department of Mathematics and Statistics  
University of South Florida  
4202 E Fowler ave, CMC 326-A,  
Tampa, FL, 33620

<http://math.usf.edu/faculty/osavchuk>  
osavchuk@usf.edu  
Office: 813-974-9551

## RESEARCH INTERESTS

Nonparametric regression and density estimation. Methods of bandwidth selection. Density estimation after transformation of data.

## EDUCATION

Ph.D. Statistics, August 2009

*Texas A&M University,*

**Advisors:** Jeffrey D. Hart, Simon J. Sheather.

**Dissertation title:** "Choosing a kernel for cross-validation"

M.S. Statistics, May 2006

*Texas A&M University,*

**Advisor:** Jeffrey D. Hart

M.S. Electrical Engineering, June 2002

*National Technical University of Ukraine,  
Summa Cum Laude*

**Advisor:** Alexander I. Krasilnikov

B.S. Electrical Engineering, June 2000

*National Technical University of Ukraine,  
Summa Cum Laude*

**Advisor:** Alexander I. Krasilnikov

## WORK EXPERIENCE

August 2015 – present

**Visiting Assistant Professor**

**Department of Mathematics and Statistics**  
*University of South Florida, Tampa, FL*

August 2013 – May 2015

**Visiting Instructor**

**Department of Mathematics and Statistics**  
*University of South Florida, Tampa, FL*

August 2009 – August 2012

**Visiting Assistant Professor**

**Department of Mathematical Sciences**  
*Binghamton University*

## **PAPERS**

### **Submitted:**

- (1) Savchuk, O.Y., Hart, J.D. "Theoretical Properties and Practical Performance of Fully Robust One-Sided Cross-Validation". Preprint: arXiv:1602.08521
- (2) Savchuk, O.Y. "Almost Robust One-Sided Cross-Validation".

### **Published:**

- (3) Savchuk, O.Y., Hart, J.D., and Sheather, S.J. "One-Sided Cross-Validation for Nonsmooth Regression Functions",

STA 4321

Essentials of Statistics  
Fall 2013 – Fall 2016

STA 2023

Introductory Statistics I  
(360 students)  
Fall 2013

### **Binghamton University**

Math 327

Probability with Statistical Methods  
(65 students), Spring 2012

Math 148

Elementary Statistics for Biologists  
(116 students)  
Spring 2010, Fall 2010, Spring 2011, Fall 2011

Math 222

Calculus II (40 students)  
Fall 2009, Spring 2012

Math 220

Calculus for Business and Management  
(50 students), Fall 2009

### **Texas A&M University**

Stat 303

Statistical Methods (50 students)  
Spring 2009

### **AWARDS**

June 2008

2008 Emanuel Parzen  
Graduate Research Fellowship Award,  
Department of Statistics, *Texas A&M  
University*

September 2004 – May 2005

Regent's Fellowship,  
The College of Science,  
*Texas A&M University*

September 2004 – May 2005

AUF Fellowship,  
The College of Science,  
*Texas A&M University*

November 2002

Third award in Contest of Master's theses,  
*National Technical University of Ukraine*

September 2002

First award in Contest of Master's theses,  
Department of Electronics,  
*National Technical University of Ukraine*

## **PROFESSIONAL SERVICE**

**REFEREE** for the following journals:

- (1) Canadian Journal of Statistics
- (2) Statistics and Probability Letters
- (3) Journal of Nonparametric Statistics
- (4) Computational Statistics and Data Analysis
- (5) TEST - An Official Journal of the Spanish Society of Statistics and Operations Research
- (6) Applied Mathematics and Computation

Session Chair:

## **SKILLS**

### **Computer**

R (proficient), S-Plus, Maple, SPSS, SAS, MathCad, MatLab, L<sup>T</sup>E<sub>X</sub>, Microsoft Office.

### **Languages**

English (fluent), Russian (native), Ukrainian (native).