

**IUPUI CURRICULUM VITAE FORMAT  
FOR PROMOTION AND TENURE DOSSIERS**

<b>NAME: Harezlak</b>	<b>Jaroslav</b>	
Last	First	Middle

**EDUCATION:**

**POSTDOCTORAL**

Department of Biostatistics, Harvard School of Public Health, Boston, MA, USA	Research Fellow (Biostatistics)	2005-2007
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**GRADUATE**

Harvard University, Cambridge, MA	Ph.D. (Biostatistics)	2005
University of British Columbia, Vancouver, BC, Canada	M.Sc. (Statistics)	1998

**UNDERGRADUATE**

Simon Fraser University, Burnaby, BC, Canada	B.Sc. (Mathematics)	1995
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**APPOINTMENTS:**

**ACADEMIC**

Department of Biostatistics, Indiana University Fairbanks School of Public Health and School of Medicine	Associate Professor	2013-present
Department of Biostatistics, Indiana University School of Medicine	Assistant Professor	2011-2013
Division of Biostatistics, Indiana University School of Medicine	Assistant Professor	2007-2011

**OTHER APPOINTMENTS AND PROFESSIONAL CONSULTANTSHIPS:**

Department of Mathematics and Statistics, University of Wollongong, Wollongong, Australia	Visiting Professor	03/2010
Division of Biostatistics, Indiana University School of Medicine, Indianapolis, IN	Biostatistician	1998-2001
Coquitlam College, Coquitlam, BC, Canada	Lecturer	1995-1996

**PROFESSIONAL ORGANIZATION MEMBERSHIPS:**

American Statistical Association	Member	1997 – present
International Chinese Statistical Association	Member	2009 – present
Eastern North American Region of International Biometrics Society	Member	1999 – present

**PROFESSIONAL HONORS AND AWARDS:**

**RESEARCH**

Certificate of Distinction in Teaching, Department of Biostatistics, Harvard School of Public Health	2003
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Robert B. Reed Prize in Biostatistics, Harvard School of Public Health	2002
Marshall Prize, University of British Columbia	1998
NSERC (Natural Sciences and Engineering Research Council of Canada) Postgraduate Scholarship	1996-98
Dean's Convocation Medal - top undergraduate student in the Faculty of Science, Simon Fraser University	1996
Alumni Scholarship, Simon Fraser University	1995
Open Scholarships, Simon Fraser University	1994-95
Honor Roll, Simon Fraser University	1994-95
Wyatt Company Scholarship, Simon Fraser University	1994
William Lowell Putnam Mathematical Competition Awards	1993-95

### PROFESSIONAL DEVELOPMENT:

Course/Workshop Title	Provider	Date
Semi-parametric Regression	Joint Statistical Meetings/American Statistical Association	2009
Modeling Survival Data: Extending the Cox Model	Terry Therneau/Local Chapter of American Statistical Association	2000
Regression Strategies	Frank Harrell/Local Chapter of American Statistical Association	1999

### TEACHING: ( \* indicates in rank)

#### TEACHING ASSIGNMENTS

##### UNDERGRADUATE

Course#	Short Title	Format	Role	Term	Enrollment
STAT 200	Introductory Statistics for Business	Lecture	Lecturer	1997 Fall	28

##### GRADUATE

Course#	Short Title	Format	Role	Term	Enrollment
*BIOS546	Applied Longitudinal Data Analysis	Lecture & Lab	Lecturer	2014 Spring	7
*BIOS546	Applied Longitudinal Data Analysis	Lecture & Lab	Lecturer	2013 Spring	8
*BIOS546	Applied Longitudinal Data Analysis	Lecture & Lab	Lecturer	2012 Spring	9
*BIOS612	Modern Regression Methods	Lecture & Lab	Lecturer	2011 Fall	14
*BIOS546	Applied Longitudinal Data Analysis	Lecture & Lab	Lecturer	2011 Spring	8
*BIOS646	Advanced Generalized Linear Models	Lecture & Lab	Lecturer	2011 Spring	8
*BIOS546	Applied Longitudinal Data Analysis	Lecture	Lecturer	2010	9

		& Lab		Spring	
*BIOS546	Applied Longitudinal Data Analysis	Lecture & Lab	Lecturer	2009 Spring	14

#### CONTINUING EDUCATION

Course#	Short Title	Format	Role	Term	Enrollment
*Invited workshop	Statistical Learning with High-Dimensional Data, Univerisidade do Porto, Portugal	Lecture & Lab	Lecturer	June 2011	12-15
*Invited short course	Statistical Learning with High-Dimensional Data, Wroclaw Univ. of Technology, Poland	Lecture & Lab	Lecturer	June 2011	28
*Invited short course	Medical Statistics for MDs in a PhD research program”, Univerisidade do Porto, Portugal	Lecture	Lecturer	Nov. 2010	20
*Invited short course	Introduction to R for statistical analysis, Indiana University School of Medicine	Lecture	Lecturer	Fall 2010	15
*Invited tutorial	“High-dimensional Data Analysis in Oncology”, the 65th Annual Deming Conference on Applied Statistics, Atlantic City	Lecture	Lecturer	December 7-9, 2009	30
*Invited short course	Medical Statistics for MDs in a PhD research program”, Univerisidade do Porto, Portugal	Lecture	Lecturer	Nov. 2009	20
*Invited short course	Using R for advanced statistical analysis, Univerisidade do Porto, Portugal	Lecture & Lab	Lecturer	June 2009	12
*Invited short course	Introduction to R for statistical analysis, Indiana University School of Medicine	Lecture	Lecturer	Spring 2009	25

#### MENTORING

Ph.D student	Role	Inclusive Dates
Kundu, Madan	Dissertation Advisor	2010 – 2014
Sarwat, Samiha	Dissertation Advisor	2010 – present
Fadel, Billy	Dissertation Advisor	2012 – present
Fei, He	Dissertation Advisor	2012 – present
Kudela, Maria	Dissertation Advisor	2013 -- present
Sarwat, Samiha	Academic Advisor	2009 -- present
Kudela, Maria	Academic Advisor	2011 -- present
Li, Zhuokai	Academic Advisor	2009 – present
Han, Baoguang	Academic Advisor	2008 - 2010
Wu, Jingwei	Academic Advisor	2008 - 2010

## **TEACHING ADMINISTRATION AND CURRICULUM DEVELOPMENT**

BIOS 546: Applied Longitudinal Data Analysis, a Ph.D. level course developed for the Biostatistics Ph.D. program founded in 2008.

BIOS 646: Advanced Generalized Linear Models, a Ph.D. level course developed for the Biostatistics Ph.D. program founded in 2010.

BIOS 612: Modern Regression Methods, a Ph.D. level course developed for the Biostatistics Ph.D. program founded in 2011.

## **INVITED PRESENTATIONS - TEACHING**

### **NATIONAL**

Title	Organization	Date
"High-dimensional Data Analysis in Oncology"	Deming Conference on Applied Statistics (the 65 <sup>th</sup> )	December 7-9, 2009

### **INTERNATIONAL**

Title	Organization	Date
Statistical Learning with High-Dimensional Data	Wroclaw Univ. of Technology, Poland	June 2011

Statistical Learning with High-Dimensional Data	Univerisidade do Porto, Portugal	June 2011
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Using R for advanced statistical analysis	Univerisidade do Porto, Portugal	June 2009
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## **RESEARCH/CREATIVE ACTIVITY:**

### **GRANTS/FELLOWSHIPS IN RESEARCH** (\* indicates in rank)

#### **ACTIVE RESEARCH GRANTS/FELLOWSHIPS**

Title	Granting Agency	Role	% Effort	Amount	Dates
*Predicting Brain Changes in HIV/AIDS (Dr Thompson)	NIH	Site PI	15	\$375,000	07/01/12-06/30/16
* Reward System Responses to Food Aromas: Effects of Obesity and Alcohol Intake (Dr Considine)	NIH	Biostatistician	10	\$274,992	07/01/10-4/30/15

#### **COMPLETED RESEARCH GRANTS/FELLOWSHIPS**

Title	Granting Agency	Role	% Effort	Amount	Dates
* Relational and Contextual Phenomenology of STI/HIV Risk (Dr Fortenberry)	NIH	Co-I	15	\$386,938	07/01/08-6/30/13
* National NeuroAIDS Tissue Consortium Statistics & Data	NIH	Biostatistician	10	\$546,336	08/07/08-04/31/13

Coordinating Center (Dr Yiannoutsos)						
* Proton MRS Studies of Cerebral Injury in HIV Infection (Dr Navia)	NIH	Biostatistician	30	\$ 133,435	04/01/97-04/30/12	
* HIV Testing and Women's Attitudes on HIV Vaccine Trials (Dr Zimet)	NIH	Co-I	10	\$358,236	04/01/06-03/31/11	
* Health care access for delinquent youth (Dr Aalsma)	HRSA	Biostatistician	15	\$183,088	09/01/07-08/31/10	
* Collaborative Studies on the Genetics of Alcoholism (Dr Edenberg)	SUNY	Biostatistician	15	\$1,027,608	09/01/07-08/31/09	
* Adolescents at High Risk for Familiar Bipolar Disorder (Dr Nurnberger)	NIH	Biostatistician	5	\$221,639	3/1/05-02/28/11	
* Craving & Etoh Intake in Alcoholics: A Test of 2 Models (Dr Davidson)	NIH	Biostatistician	10	\$214,052	09/30/03-08/31/09	
Postdoctoral fellowship (Dr Coull)	NIH	Postdoc	100	\$38,000	2005-2007	
Methods for the Analysis of Longitudinal Data (Dr Laird)	NIH	Predoc student	100	\$24,000	2003-2005	
Training grant (Dr Coull)	NIH	Predoc student	100	\$22,000	2001-2003	

#### PENDING RESEARCH GRANTS/FELLOWSHIPS

Title	Granting Agency	Role	% Effort	Amount	Dates
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#### SUBMITTED BUT NOT FUNDED RESEARCH GRANTS/FELLOWSHIPS

Title	Granting Agency	Role	% Effort	Amount	Dates
*Imaging Biomarkers for HIV-associated Cognitive Impairment (Dr Yiannoutsos)	NIH	Co-I	25		05/01/11-04/30/12
*The Role of Orexin in Panic Anxiety (Dr Goddard)	NIH	Biostatistician	5		12/01/10-11/30/11

*Brain GABA Deficits Identified by 1H-MRS in OIF/OEF PTSD Patients at Baseline and Following Pregabalin Administration (Dr Goddard)	NIH	Biostatistician	5	09/30/10-09/29/11
*Proton MRS Studies of Cerebral Injury in HIV Infection (Dr Yiannoutsos)	NIH	Biostatistician	40	07/01/10-06/30/11
*Assessing the Influence of Risk-Taking Behavior on Adolescent Brain Development using fMRI (Dr Rubb)	NIH	Biostatistician	10	10/01/09-09/30/10
*1/2 sites- Collaborative, Controlled, Augmentation trail of Memantine with SSRI Treatment for OIF/OEF Veterans with PTSD (Dr Goddard)	NIH	Co-I	10	09/30/09-09/29/10
*A Placebo-Controlled SSRI Augmentation Trail with Memantine for the Treatment of Hyperarousal and Cognitive Symptoms in OIF/O (Dr Goddard)	NIH	Co-I	10	09/30/09-09/28/10
*Fronto Temporal Cortical Measures as Prognostic Biomarkers for Early Psychosis (Dr Breier)	NIH	Co-I	8	09/30/09-09/29/10
*Modeling Heterogeneity in HIV Brain impairment: A machine learning approach (Dr Navia)	NIH	Co-PI	24	09/30/09-09/29/10
*Neurobiology of Anxiety and Panic Disorders (supplemental funds) (Dr Shekhar)		Biostatistician	5	09/30/09-09/29/10
*Characterizing Alcohol Drinking after Gastric Bypass Surgery (Dr Davidson)	NIH	Co-I	10	04/01/09-03/31/10
*Identifying Alcohol Dependent Subjects who Respond to Naltrexone (Dr Davidson)	NIH	Biostatistician	10	04/01/09-03/31/10

*Orexin Neuronal Function in Panic and Panic with Depression (Dr Goddard)	NIH	Biostatistician	10	04/01/09-03/31/10
*Novel Therapeutic Strategy for Secondary Prevention of PTSD (Dr Shekhar)	NIH	Biostatistician	5	09/01/08-08/31/09
*Center for Traumatic Brain Injury (Dr Goddard)	NIH	Statistical Core	25	08/15/08-07/14/09
*Baclofen & Naltrexone on Human Alcohol Intake: Mechanisms of Action (Dr Davidson)	NIH	Biostatistician	5	07/01/08-06/30/09

### **INVITED PRESENTATIONS - RESEARCH**

#### **LOCAL** ( \* indicates in rank)

Title	Organization	Date
*Biomarkers of Arsenic Exposure: Functional Data Analytic approach to Mass Spectrometry Proteomics Data	CCBB Journal Club, IUSM, Indianapolis, IN	04/2008
*Modeling mass spectrometry proteomics data using nonparametric regression methods	Eli Lilly & Co., Indianapolis, IN	04/2008
Functional data analytic approach to processing mass spectrometry data with an application to SELDI-TOF MS analysis	IUSM, Indianapolis, IN	03/2007
Individual and population penalized regression splines for accelerated longitudinal designs	Central Indiana local chapter of ASA, Indianapolis IN	11/2004
CriSP: a tool for bump hunting	Central Indiana local chapter of ASA, Indianapolis IN	02/2000

#### **NATIONAL**

Title	Organization	Date
*Structured Penalties for Generalized Functional Linear Models	Eastern North American Region of International Biometrics Society Annual Meeting	03/2011
*High-dimensional Data Analysis in Oncology	Deming Conference in Applied Statistics	12/2009
*Impact of the design matrix structure on the performance of LASSO: An empirical study	ICSA Applied Statistics symposium, San Francisco, CA	06/2009
*Impact of the design matrix structure	FHCRC, Seattle, WA	12/2008

on the performance of LASSO: An empirical study

**INTERNATIONAL**

Title	Organization	Date
*Modeling mass spectrometry proteomics data using nonparametric regression methods	ECMTB (European Congress of Mathematical and Theoretical Biology)	06/2011
*Structured Penalties for Generalized Functional Linear Models	The Eighth ICSA International Conference, Guangzhou, China	12/2010
*Impact of the design matrix structure on the performance of LASSO: An empirical study	Universade de Porto, Portugal	11/2009
*Impact of the design matrix structure on the performance of LASSO: An empirical study	UBC, Vancouver, Canada	12/2008

**SERVICE:**

**UNIVERSITY SERVICE**

**DEPARTMENT**

Activity	Role	Inclusive Dates
* Faculty Search Committee	Committee Member	2011-present
* Ph.D Curriculum Committee	Chair/Member	2008-present
* Ph.D Student Advising	Academic Advisor	2008-present
* Ph.D Qualifying Exam Committee	Chair/Member	2008-2011
* Biostatistics Ph.D program	Co-director	2010-2011

**SCHOOL**

Activity	Role	Inclusive Dates
*Faculty Assembly	President-Elect	2012
*Faculty Assembly	President	2012-present

**PROFESSIONAL SERVICE**

**NATIONAL**

Organization	Activity	Inclusive Dates
* Regional Advisory Board (RAB) of the Eastern North American Region (ENAR) of the International Biometrics Society	Member	2010 – 2012



<p>* Journals: Annals of Applied Statistics, Bioinformatics, Biometrics, Computational Statistics and Data Analysis, Journal of Computational and Graphical Statistics (JCGS), Journal of the Royal Statistical Society, Journal of the American Statistical Association (JASA), Journal of Statistical Planning and Inference (JSPI), Statistics in Biosciences, Statistics in Medicine, Technometrics;          American Journal of Medical Genetics, Atmospheric Environment, Circulation, Ecology, Ecotoxicology and Environmental Safety, Journal of General Internal Medicine, Journal of Proteome Research, Neuroimage, Neuropsychiatric Genetics, Psychiatric Genetics</p>	<p>Reviewer</p>	<p>2007- present</p>
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<p>*Cambridge University Press</p>	<p>Book review</p>	<p>2010</p>
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**PUBLICATIONS:**

**RESEARCH/CREATIVE ACTIVITY**

**Refereed**

1. Gongvatana A, Harezlak J, Buchthal S, Daar E, Schifitto G, Campbell T, Taylor M, Singer E, Algers J, Zhong J, Brown M, McMahon D, So YT, Mi D, Heaton R, Robertson K, Yiannoutsos C, Cohen RA, Navia B; HIV Neuroimaging Consortium. Progressive cerebral injury in the setting of chronic HIV infection and antiretroviral therapy. *J Neurovirol.* 2013 Jun;19(3):209-18. doi:10.1007/s13365-013-0162-1. Epub 2013 Apr 24. PubMed PMID: 23613008; PubMed Central PMCID: PMC3740160.
2. Kareken DA, Dziedzic M, Wetherill L, Eiler W 2nd, Oberlin BG, Harezlak J, Wang Y, O'Connor SJ. Family history of alcoholism interacts with alcohol to affect brain regions involved in behavioral inhibition. *Psychopharmacology (Berl).* 2013 Jul;228(2):335-45. doi: 10.1007/s00213-013-3038-4. Epub 2013 Mar 7. PubMed PMID: 23468100; PubMed Central PMCID: PMC3695053.
3. Zhu T, Zhong J, Hu R, Tivarus M, Ekholm S, Harezlak J, Ombao H, Navia B, Cohen R, Schifitto G. Patterns of white matter injury in HIV infection after partial immune reconstitution: a DTI tract-based spatial statistics study. *J Neurovirol.* 2013 Feb;19(1):10-23. doi: 10.1007/s13365-012-0135-9. Epub 2012 Nov 21. PubMed PMID: 23179680; PubMed Central PMCID: PMC3568248.
4. Ott MA, Harezlak J, Ofner S, Fortenberry JD. Timing of incident STI relative to sex partner change in young women. *Sex Transm Dis.* 2012 Oct;39(10):747-9.

PubMed PMID: 23001261; PubMed Central PMCID: PMC3457061.

5. Aalsma MC, Blythe MJ, Tong Y, Harezlak J, Rosenman MB. Insurance status of urban detained adolescents. *J Correct Health Care*. 2012 Oct;18(4):274-84. doi:10.1177/1078345812455629. Epub 2012 Aug 23. PubMed PMID: 22918659. \*Randolph, T.W., **Harezlak, J.**, Feng, Z. "Structured penalties for functional linear models---partially empirical eigenvectors for regression" *Electronic Journal of Statistics* 2012, Vol. 6, No.0, 323-353. NIHMSID: NIHMS368253
6. \*Aalsma, M.C., Blythe, M., Tong, Y., **Harezlak, J.**, & Rosenman, M. (in press) Insurance status of urban detained adolescents. *Journal of Correctional Health Care*.
7. \*Matthew C. Aalsma, Lauren C. Gudonis, G. Roger Jarjoura, Margaret J. Blythe, Yan Tong, **Jaroslav Harezlak**, Marc B. Rosenman, The Consequences of Juvenile Detention Reform for Mental Health and Sexually Transmitted Infection Screening Among Detained Youth, *Journal of Adolescent Health*, 2012 Apr; 50(4):365-370. Available online 26 October 2011, ISSN 1054-139X, 10.1016/j.jadohealth.2011.08.013.
8. \*Tate DF, Sampat M, **Harezlak J**, Fiecas M, Hogan J, Dewey J, McCaffrey D, Branson D, Russell T, Conley J, Taylor M, Schifitto G, Zhong J, Daar ES, Alger J, Brown M, Singer E, Campbell T, McMahan D, Tso Y, Matesan J, Letendre S, Paulose S, Gaugh M, Tripoli C, Yiannoutsos C, Bigler ED, Cohen RA, Guttmann CR, Navia B; for the HIV Neuroimaging Consortium. Regional areas and widths of the midsagittal corpus callosum among HIV-infected patients on stable antiretroviral therapies. *J Neurovirol*. 2011 Aug;17(4):368-379. Epub 2011 May 10.
9. \*Aalsma MC, Wiehe SE, Blythe MJ, Tong Y, **Harezlak J**, Rosenman MB. Mental Health Screening and STI Among Detained Youth. *Journal of community health* 2011 Apr;36(2):300-6
10. \***Harezlak J**, Buchthal S, Taylor M, Schifitto G, Zhong J, Daar E, Alger J, Singer E, Campbell T, Yiannoutsos C, Cohen R, Navia B; the HIV Neuroimaging Consortium. Persistence of HIV-associated cognitive impairment, inflammation, and neuronal injury in era of highly active antiretroviral treatment. *AIDS*, 2011 March 13; 25(5):625-33. PMID: 21297425
11. \*Cohen RA, **Harezlak J**, Gongvatana A, Buchthal S, Schifitto G, Clark U, Paul R, Taylor M, Thompson P, Tate D, Alger J, Brown M, Zhong J, Campbell T, Singer E, Daar E, McMahan D, Tso Y, Yiannoutsos CT, Navia B. J Cerebral metabolite abnormalities in human immunodeficiency virus are associated with cortical and subcortical volumes. *J Neurovirol*. 2010 Dec;16(6):435-44. Epub 2010 Oct 20. PMID: 20961212
12. \*Dydak U, Jiang Y-M, Long L-L, Zhu H, Chen J, Li W-M, Edden R.A.E, Hu S, Fu X, Long Z, Mo X-A, Meier D, **Harezlak J**, Aschner M, Murdoch J.B., Zheng W., In Vivo Measurement of Brain GABA Concentrations by Magnetic Resonance Spectroscopy in Smelters Occupationally Exposed to Manganese. *Environ Health Perspect*. 2011 Feb;119(2):219-24. Epub 2010 Sep 28. doi:10.1289/ehp.1002192

13. \*Hui SL, Perkins AJ, **Harezlak J**, Peacock M, McClintock CL, Johnston CC Jr. Velocities of bone mineral accrual in black and white American children. *J Bone Miner Res.* 2010 Jul;25(7):1527-35. PubMed PMID: 20200959.
14. \*Dewey J, Hana G, Russell T, Price J, McCaffrey D, **Harezlak J**, Sem E, Anyanwu JC, Guttmann CR, Navia B, Cohen R, Tate DF; HIV Neuroimaging Consortium. Reliability and validity of MRI-based automated volumetry software relative to auto-assisted manual measurement of subcortical structures in HIV-infected patients from a multisite study. *Neuroimage.* 2010 Jul 15;51(4):1334-44. Epub 2010 Mar 22. PubMed PMID: 20338250; PubMed Central PMCID: PMC2884380
15. \*Cohen RA, **Harezlak J**, Schifitto G, Hana G, Clark U, Gongvatana A, Paul R, Taylor M, Thompson P, Alger J, Brown M, Zhong J, Campbell T, Singer E, Daar E, McMahon D, Tso Y, Yiannoutsos CT, Navia B. Effects of nadir CD4 count and duration of human immunodeficiency virus infection on brain volumes in the highly active antiretroviral therapy era, *Journal of Neurovirology*, 2010 Feb;16(1):25-32.
16. \*Bravata DM, Daggett VS, Woodward-Hagg H, Damush T, Plue L, Russell S, Allen G, Williams LS, **Harezlak J**, Chumbler NR, A Comparison of Two Approaches to Screen for Dysphagia Among Acute Ischemic Stroke Patients: a Nursing Admission Screening Tool versus the NIH Stroke Scale, *Journal of Rehabilitation Research and Development*, 2009; 46(9): 1127-34
17. \***Harezlak J**, Wu M, Wang M, Schwartzman A, Christiani D, Lin X, Biomarker Discovery for Arsenic Exposure Using Functional Data Analysis and Feature Learning of Mass-Spectrometry Proteomic Data, *Journal of Proteome Research*; 2008, 7:217-224; DOI: 10.1021/pr070491n
18. \***Harezlak J**, Wang M, Christiani D, Lin X, Quantitative quality-assessment techniques to compare fractionation and depletion methods in SELDI-TOF mass spectrometry experiments, *Bioinformatics*, 2007, 23:2441-2448; DOI: 10.1093/bioinformatics/btm346
19. **Harezlak J**, Coull BA, Laird NM, Magari S, Christiani DC, Penalized Solutions to Functional Regression Problems, *Computational Statistics and Data Analysis*, 2007, 51(10):4911--4925; DOI:10.1016/j.csda.2006.09.034
20. **Harezlak J**, Naumova E, Laird NM LongCriSP: a Test for Bump Hunting in Longitudinal Data, *Statistics in Medicine*, 2007;26:1383--1397; DOI: 10.1002/sim.2623
21. **Harezlak J**, Tu W. Estimation of Survival Functions in Interval and Right Censored Data Using STD Behavioral Diaries, *Statistics in Medicine* 2006; 25: 4053-4064, DOI: 10.1002/sim.2505
22. **Harezlak J**, Ryan L, Giedd J, Lange N. Individual and population penalized regression splines for accelerated longitudinal designs, *Biometrics* 2005; 61:1037-1048
23. Durban M, **Harezlak J**, Wand MP, Carroll RJ, Simple fitting of subject-specific curves for longitudinal data *Statistics in Medicine* 2005; 24:1153-1167
24. Rosenman MB, Kraft SK, **Harezlak J**, Mahon BE, Katz BP, Wang J, Arno JN, Syphilis Testing in Association With Gonorrhea/Chlamydia Testing During a Syphilis Outbreak *American Journal of Public Health.* 2004; 94:1124-1126

25. Hensel DJ, Fortenberry JD, **Harezlak J**, Anderson JG, Orr DP, A Daily Diary Analysis of Vaginal Bleeding and Coitus Among Adolescent Women. *Journal of Adolescent Health*, 2004; 34:391--394
26. Khan AA, Khan A, Kroenke K, **Harezlak J**, Tu W, Physical Symptoms in Primary Care: Etiology and Outcome, *Psychosomatics* 2003; 44:471-478
27. Dunn DW, Austin JK, **Harezlak J**, Ambrosius WT, ADHD and epilepsy in childhood, *Developmental Medicine & Child Neurology*, 2003; 45:50-54
28. **Harezlak J**, Gao S, Hui SL. Illness-death stochastic model in the analysis of longitudinal dementia data, *Statistics in Medicine*, 2003; 23:1465-1475
29. Zhou X-H, **Harezlak J**. Comparison of Kernel Smoothing Methods for ROC curves, *Statistics in Medicine* 2002; 21:2045-2055
30. Austin JK, Dunn DW, Caffrey HM, Perkins SM, **Harezlak J**, and Rose DF. Recurrent Seizures and Behavior Problems in Children with First Recognized Seizures: A Prospective study, *Epilepsia*, 2002; 43:1564-1573
31. Bong CTH, **Harezlak J**, Katz BP, Spinola SM. Men are more susceptible to pustule formation than women in the experimental model of *Haemophilus ducreyi* infection, *Sexually Transmitted Diseases* 2002 29(2):114-118
32. Fortenberry, JD, Tu W, **Harezlak J**, Katz BP, Orr DP, Condom Use as Function of Time in New and Established Adolescent Sexual Relationships, *American Journal of Public Health*, 2002; 92:211-213
33. Dunn D, **Harezlak J**, Ambrosius WT, Austin JK, Hale B. Teacher assessment of behaviour in children with new-onset seizures, *Seizure*, 2002; 11:169-175
34. Katz BP, Fortenberry DJ, Tu W, **Harezlak J**, Orr DP. Sexual Behavior among Adolescent Women at High Risk for Sexually Transmitted Infections. *Sexually Transmitted Diseases* 2001; 28:247-251
35. **Harezlak J**, Heckman NE. CriSP: a Tool for Bump Hunting, *Journal of Computational and Graphical Statistics*, 2001; 10:713-729
36. Austin JK, **Harezlak J**, Dunn DW, Huster GA, Rose DF, Ambrosius WT. Behavior Problems in Children before First Recognized Seizures. *Pediatrics*, 2001; 107:115-122.
37. Moe SM, Zekonis M, **Harezlak J**, Ambrosius WT, Gassensmith CM, Murphy CL, Russell RR, Batiuk TD, A Placebo Controlled Trial to Evaluate The Immunomodulatory Effects of Paricalcitol, (2001), *American Journal of Kidney Diseases*, 38(4):792-802
38. Huberty TJ, Austin JK, **Harezlak J**, Dunn DW, Ambrosius WT, Informant Agreement in Behavior Ratings for Children with Epilepsy. *Epilepsy and Behavior*, 2000; 1:427-435.
39. Al-Tawfiq JA, **Harezlak J**, Katz BP, Spinola SM. Cumulative Experience with *Haemophilus ducreyi* 35000 in the Human Model of Experimental Infection. *Sexually Transmitted Diseases*, 2000; 27:111-114
40. Chan K, **Harezlak J**, St-Aubin R, Vallee M, Case Study in Data Analysis: Vocalization Differences among Three Harp Seal Herds, (2000) , *Canadian Journal of Statistics*, 28(1):189-197

#### Non-refereed

1. Marron JS, Mueller HG, Rice J, Wang JL, Wang N, Wang Y, Coull B, Fahrmeier L, Guo W, Hall P, **Harezlak J**, Huang J, Kneip A, Lin X, Morris JS, Pourmadi M, Stadenmayer J, Wu C, Zhang D, Zhang H, and Zhao Y. Discussion of nonparametric and semiparametric regression. *Statistica Sinica* 14(3):615-621, 2004. PMID: Not in Pub Med.
2. **Harezlak J**, Gao S, Hui SL, Illness-death stochastic model in the analysis of longitudinal dementia data, (2000) *Proceedings of the Biometrics Section of ASA*, 427-434

#### Book Chapters

1. Teixeira-Pinto A, **Harezlak J** "Factorization and latent variable models for joint analysis of binary and continuous outcomes" book chapter in the "Analysis of Mixed Data: Methods & Applications" edited by AR De Leon, KC Chough; Chapman & Hall/CRC 2013
2. \* **Harezlak J**, Randolph TW, Partially Empirical Eigenvectors for Regression (PEER) for Generalized Functional Linear Models (GFLM), in *Recent Advances on Functional Data Analysis and Related Topics*, 2011; edited by Frédéric Ferraty, Springer-Verlag
3. \* **Harezlak J**, Tchetgen E, Li X, Variable selection in regression - estimation, prediction, sparsity, inference, in *High-Dimensional Data Analysis in Cancer Research*, 2008; edited by Li X. and Xu R., Springer
4. \*Li X and **Harezlak J** (2007) Visualization in Genomics and Proteomics. In Daniel Berrar, Martin Granzow, and Werner Dubitzky: *Fundamentals of Data Mining in Genomics and Proteomics*, Springer.

1/26/2014  
(Date)



(Signature of Candidate)