

Ronald J. Yurko, Jr.

CONTACT INFORMATION	Department of Statistics & Data Science Carnegie Mellon University Pittsburgh, PA 15213	724-331-4520 ryurko@stat.cmu.edu http://www.stat.cmu.edu/~ryurko/
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EDUCATION	Carnegie Mellon University , Pittsburgh, PA PhD Student, <i>Statistics</i> , 2017 - Present B.S., <i>Statistics</i> , Dec 2015 (University Honors)	GPA: 3.97/4.00
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RESEARCH INTERESTS	Clustering, ensemble methods, computational statistics, statistics in sports
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CONFERENCE & SEMINAR PRESENTATIONS	Invited Talks <i>nflWAR: A Reproducible Method for Offensive Player Evaluation in Football</i> Carnegie Mellon Sports Analytics Conference (Pittsburgh, PA) Oct 28, 2017 Computational Sports Informatics Colloquium (Pittsburgh, PA) Oct 12, 2017 New England Symposium on Statistics in Sports (Cambridge, MA) Sep 23, 2017
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Contributed Talks

Great Lakes Analytics in Sports Conference (Stevens Points, WI) <i>NFL Player Evaluation Using Expected Points Added with nflscrapR</i>	Jul 13, 2017
Classification Society Conference 2017 (Santa Clara, CA) <i>Variable Selection for Consistent Clustering</i>	Jun 23, 2017
UP-STAT (Buffalo, NY) <i>nflscrapR: An R Package for Easy Access to NFL Data and a New Model for Expected Points and Win Probability</i> Second Place, Best Young Researchers' Award in Category C: Application	Apr 22, 2017

Poster Presentations

Dietrich Undergraduate Colloquium (Pittsburgh, PA) <i>Improving Predictions of Ensemble Methods Using Distributions of Estimated Probabilities</i>	Nov 6, 2015
Meeting of the Minds (Pittsburgh, PA) <i>Classifying Kepler Objects of Interest</i> First Place, Statistics Poster Competition	May 6, 2015

PAPERS IN PROGRESS	YURKO, R., NUGENT, R., VENTURA, S.L., "Variable Selection for Consistent Clustering" VENTURA, S.L., NUGENT, R., AND YURKO, R., "PREDS: Prediction with Ensembles using Distribution Summaries" YURKO, R., VENTURA, S., AND HOROWITZ, M., "nflWAR: A Reproducible Method for Offensive Player Evaluation in Football"
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PREVIOUS RESEARCH EXPERIENCE	Carnegie Mellon University	Pittsburgh, PA
	Undergraduate Research Assistant	Aug 2015 to Dec 2015
	<i>PREDS: Prediction with Ensembles using Distribution Summaries</i> Supervisors: Samuel L. Ventura, Ph.D and Rebecca Nugent, Ph.D	
	Undergraduate Research Course	Jan 2015 to May 2015
	<i>Classifying Kepler Objects of Interest</i> Supervisors: Rebecca Nugent, Ph.D and Peter E. Freeman, Ph.D	
	Independent Research	Aug 2014 to Dec 2014
	<i>The Science of Fooling Batters: An Objective Analysis of Pitch Sequencing</i> Supervisor: Andrew C. Thomas, Ph.D	
TEACHING EXPERIENCE	Carnegie Mellon University	Pittsburgh, PA
	Graduate Teaching Assistant	Fall 2017 to Present
	Course: Statistical Computing Assist students in lab sessions, office hours, and grade homeworks	
	Instructor	Spring 2015 & Fall 2015
	Course: Introduction to Sabermetrics & Exploring Baseball Data Lectured and created course materials	
	Grader	Spring 2015 & Fall 2015
	Courses: Introduction to Statistical Inference, Introduction to Probability Theory	
	Undergraduate Teaching Assistant	Fall 2013 to Fall 2014
	Course: Statistical Reasoning and Practice Assist students in Minitab lab sessions, grade homeworks and exams	
PROFESSIONAL SERVICE	Carnegie Mellon Sports Analytics Conference	
	Program Committee	Oct 2017
	170+ attendees from academia, industry, and professional sports responsibilities included maintaining and assessing current research in field, event/speaker/press management, marketing materials, budgeting	
	Reviewer:	
	<i>Big Data</i>	2017 to Present
SOFTWARE	R Packages	
	Maksim Horowitz, Ronald Yurko, Samuel L. Ventura (2017). nflscrapR : Compiling the real-time NFL JSON API for easy use in R. R package version 1.0.	

HONORS & AWARDS	Honors	
	Andrew Carnegie Society Scholar <i>Carnegie Mellon University</i>	2015
	Phi Kappa Phi Honor Society <i>Carnegie Mellon University</i>	2015
	Honors courses: Mathematical Statistics Honors, Undergraduate Research Course <i>Department of Statistics & Data Science, Carnegie Mellon University</i>	
	Awards & Academic Competitions	
	Second Place, Best Young Researchers' Award in Category C: Application <i>UP-STAT</i>	Apr 22, 2017
	First Place, Statistics Poster Competition <i>Meeting of the Minds, Carnegie Mellon University</i>	May 6, 2015
UNIVERSITY ORGANIZATIONS	Carnegie Mellon Sports Analytics Club	
	Graduate Student Advisor	2017 to Present
	Co-Founder, Vice President, Editor, and Writer Student-run sports statistics club	2013 to 2016
INDUSTRY EXPERIENCE	Analytics & Portfolio Management, PNC Financial Services	Pittsburgh, PA
	Quantitative Analytics Intern and Associate	Jun 2015 to Mar 2017
	<i>Model Development Predicting Probability of Default and Loss Given Default</i> Preliminary methodology research, documentation preparation, data extraction, manipulation, and statistical modeling in R and SAS	
	Baseball Operations, Pittsburgh Pirates	Pittsburgh, PA
	Data and Analytics Intern	Mar 2014 to Oct 2014
	<i>Pitcher "Injury Zone" Analysis and Data Management</i> Ensure loading of data, distribute organizational reports, developed neural network and hazard model for assessing elbow injury risk	
MEMBERSHIPS	<i>American Statistical Association</i>	
	<i>Society for American Baseball Research</i>	
	<i>Classification Society</i>	
COMPUTING SKILLS	<i>Programming Languages: R, SAS, Python, SQL, L^AT_EX</i>	
	<i>Operating Systems: MacOS, Windows</i>	
ACTIVITIES	Carnegie Mellon University Club Baseball Team	2013
	Carnegie Mellon University Intramural Sports:	
	Flag football	
	Basketball	
	Softball	

PRESS

“CMU alum, MLB stats expert to speak at sports analytics conference”

Pittsburgh Post-Gazette

Oct 27, 2017

“Steelers fans should worry about Patriots RB Rex Burkhead. These CMU statisticians tell you why.”

Pittsburgh Post-Gazette

Aug 17, 2017

REFERENCES

Available upon request