

Department of Biostatistics

August 1, 2015

Announcements:

- The Department of Biostatistics will offer another 3-session introductory workshop in the fall of 2015. Registration will be required so keep an eye out for our e-mail announcement!
- We are also pleased to announce a new lecture series for residents to be held during the 2015-2016 academic year (dates TBA). Topics will include descriptive and inferential statistics, hypothesis testing, and an overview of common statistical tests. All lecture notes will be made available to the WUH community
- To view faculty bios, read our policies or to download a collaboration request form, please visit our website:

<http://www.winthrop.org/biostatistics-epidemiology>

- Biostatistics tutorials for EXCEL-based analysis are available for:
 - Descriptive Statistics
 - Continuous variable analysis
 - Categorical data analysis

Please e-mail Biostatistics and we will send you these workshop notes and practice data sets

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Collaborations with Winthrop Investigators – highlighted research:

- Alyssa M. Feldman, Daniel J. Kersten, Jessica A. Chung, Wilbur J. Asheld, Joseph Germano, DO, Shahidul Islam, Todd J. Cohen-
Gender and Age Related Differences in Implantable Defibrillator Recipients: Results from the Pacemaker and Implantable Defibrillator Leads Survival Study (“PAIDLESS”). [Accepted in the Journal of Invasive Cardiology]

The purpose of the study was to investigate the influences of gender and age in relation to defibrillator lead failure and mortality of patients in the Pacemaker and Implantable Defibrillator Leads Survival Study (“PAIDLESS”). This study emphasizes the complex interplay between gender and different age groups with respect to defibrillator lead failure and mortality.

Other Information and helpful links:

- The University of California at Berkeley offers a free **Introduction to Statistics**. The course can be accessed on [iTunes](https://itunes.apple.com/itunes-u/statistics-2-001-fall-2009/id354822870?mt=10#ls=1)
https://itunes.apple.com/itunes-u/statistics-2-001-fall-2009/id354822870?mt=10#ls=1. Topics include: Population and variables, measures of location, spread and association, Normal approximation, Regression, Probability and sampling, Binomial distribution, standard significance tests.

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- *“Science Itself under scrutiny”* June 16th, 2015 NY Times article:

...The most common reason for retraction of scientific papers is image manipulation or deliberate **data massaging**. Data massaging includes: excluding outliers, moving the goal posts and analyzing the data first and then writing the paper as if the experiments had been an attempt to confirm just those effects, pitching the results as “I knew this all along”....

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