

Curriculum Vitae

Elham Haem

Personal Information:

First name: Elham

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Present position: Assistant Professor of Biostatistics, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran.

Educational Records:

Sabbatical, Pharmacometrics, Uppsala University, Uppsala, Sweden, 2015, under supervision of Professor Mats Karlsson.

Title of project: Adjusted Adaptive Lasso for covariate model building in population pharmacokinetic.

PhD, Biostatistics, 2012- 2017, Shiraz University of Medical Sciences, Iran. Under supervision of Professor Najaf Zare.

Title of dissertation: Covariate model building in population pharmacokinetic using Adjusted Adaptive Lasso method and evaluation of predictive performance.

MS, Biostatistics, 2009-2012, Shiraz University of Medical Sciences, Iran, under supervision of Professor Najaf Zare

Title of dissertation: Rare event data analysis methods: Applied on breast cancer risk factors.

BS, Statistics, 2004-2008, Shiraz University, Shiraz, Iran.

Publications (Journal Articles):

1. Hamidian M, Foroughinia F, Haghghat Sh, Attar A, **Haem E**. Protective effects of Panax ginseng against doxorubicin-induced cardiac toxicity in patients with non-metastatic breast cancer: A randomized, double-blind, placebo-controlled clinical trial. *Journal of Oncology Pharmacy Practice*, 2022.
2. Ghasemiyeh P, Vazin A, Zand F, **Haem E**, et al. .Pharmacokinetic assessment of vancomycin in critically ill patients and nephrotoxicity prediction using individualized pharmacokinetic parameters. *Frontiers in Pharmacology*, 2022, 3082.
3. Doostfatemeh M , **Haem E**, Sarbaran M, Ajdari M. Multidimensional Item Response Theory to Assess the Psychometric Properties of Persian Version of Dutch Eating Behavior Questionnaire (DEBQ) in University Students. *Current Psychology*, 2021.
4. Shafiekhani M, Shahabinezhad F, Niknam T, Tara S, **Haem E**, et al. Evaluation of the therapeutic regimen in Covid-19 in transplant patients: where do immunomodulatory and antivirals stand?, *Virology journal*, 2021, 18:228.
5. **Haem E**, Doostfatemeh M. Multidimensional item response theory to assess psychometric properties of GHQ-12 in parents of school children. *Journal of Biostatistics and Epidemiology*. 2021.
6. **Haem E**, Doostfatemeh M, Firouzabadi N, Ghazanfari N, Karlsson M. A longitudinal item response model for Aberrant Behavior Checklist (ABC) data from children with autism. *Journal of pharmacokinetics and pharmacodynamics*. 2020.
7. **Haem E**, Harling K, Ayatollahi S.M.T, Zare N, Karlsson M. Adjusted Adaptive Lasso for covariate model building in nonlinear mixed effect pharmacokinetic models. *Journal of pharmacokinetics and pharmacodynamics*. 2017, 44:55–66.
8. **Haem E**, Heydari ST, Zare N, Lankarani KB, Barooti E. Ovarian cancer risk factors in a defined population using rare event logistic regression. *Middle East Journal of Cancer*.2014.
9. Ayatollahi S.M.T, **Haem E**, Sharafi Z. Growth velocity of infants from birth to 5 years born in Maku, Iran, *Global Journal of Health Science*, 8,2 ,2015.
10. Zare N, **Haem E**, Lankarani KB, Heydari ST, Barooti E. Breast cancer risk factors in a defined population: weighted logistic regression approach for rare events. *Journal of breast cancer*. 2013;16(2):214-9.
11. Ayatollahi S.M.T, Sharafi Z, **Haem E**. Child Weight Growth Chart and Its Associated Factors in Birth Cohort of Maku Using a Growth Curve Model and LMS Method, *Global Journal of Health Science*, 7,6, 2015.
12. Ghaemmaghami P, Ayatollahi S.M.T, Alinejad V, **Haem E**. Longitudina standards for growth velocity of infants from birth to 4 years born in West Azarbayegan. *Epidemiology and Health*, ,37, 2015.

Abstracts:

1. **Haem E**, Karlsson M, Ueckert S. Comparison of power and type 1 error of composite score models for drug effect detection in clinical trials. Annual meeting of the Population Approach Group Europe. Virtual, 2-7 September 2021.
2. **Haem E**, Harling K, Ayatollahi S.M.T, Zare N, Karlsson M. Adjusted Adaptive Lasso for covariate model building in nonlinear mixed effect models. Annual meeting of the Population Approach Group Europe, Lisbon, Portugal, from 7-10 June 2016.
3. Zare N, **Haem E**, Lankarani KB, Heydari ST, Barooti E. Breast cancer risk factors in a defined population: weighted logistic regression approach for rare events. Iranian Epidemiology Congress, Yasouj, Iran, May 2013.

Selected Workshops and short courses:

1. Pharmacometric modelling of composite score outcomes. Uppsala University, Uppsala, Sweden. 14-15 May 2020.
2. Uppsala summer school: Covariate model building+PKPD modeling of continuous and categorical data. Uppsala University, Uppsala, Sweden. August 8-19, 2016.
3. R software: Shiraz University of Medical Sciences, Shiraz, Iran, 2010.
4. Introduction to primary R software, Shiraz University of Medical Sciences, Shiraz, Iran, 2014.
5. SPSS software: Shiraz University of Medical Sciences, Shiraz, Iran, 2010.
6. Neural Network: Iranian Epidemiology Congress. Yasouj, Iran, 2013.
7. Introduction to research methods and types of epidemiological studies: Shiraz University of Medical Sciences, Shiraz, Iran, 2011.
8. Sampling methods and sample size calculation: Shiraz University of Medical Sciences, Shiraz, Iran, 2011.
9. Bioinformatics medicine, Shiraz University of Medical Sciences, Shiraz, Iran, 2012.
10. Endnote, Shiraz University of Medical Sciences, Shiraz, Iran, 2012.

Lectured Workshops:

1. Introduction to Pharmacometrics: Advanced statistical methods in population pharmacokinetics and pharmacodynamics, Shiraz school of pharmacy, 2016.
2. SPSS software in summer school, Shiraz University of Medical Science, 2016.
3. SPSS software, Shiraz University of medical science, 2014.

Selected Professional Activities

1. Statistics Consultant in RCC, research center, Shiraz, Iran, 2012- 2015.
2. Referee in Media Journal, Shiraz University of Medical Science, Shiraz, Iran 2015.

