Curriculum Vitae (CV)

Personal Data:

- First name: Malihe
- Last name: Abbasnejad
- Date of birth: 6th September 1978
- Gender: Female
- Country of Residence: Iran
- Nationality: Iranian
- Affiliation: Assistant Professor at the Department of Statistics, Hakim Sabzevari University, Iran.

Qualifications:

- Ph.D. in Statistics , Department of Statistics, School of Mathematical Sciences, Ferdowsi University of Mashhad, Iran. Jan. 2008.

  Thesis Title: Extension of some results of Shannon entropy and Kullback-Leibler information to Renyi entropy and information
  Supevisor: Prof. Nasser Reza Arghami

- M.Sc. in Statistics , Department of Statistics, School of Mathematical Sciences, Ferdowsi University of Mashhad, Iran. Nov. 2002.

  Thesis Title: Small area estimation
  Supevisor: Prof. Nasser Reza Arghami

- B.Sc. in Statistics, Department of Statistics, School of Mathematical Sciences, Ferdowsi University of Mashhad, Iran. Sep. 2000.

Scientific Positions:

- Assistant Professor at the Department of Statistics, Hakim Sabzevari University, Iran. Sep. 2012 - present
- Assistant Professor at the Department of Statistics, Ferdowsi University of Mashhad, Iran. Sep. 2008 – Aug. 2012.

Publications:

- Paper in journals:

1. Y. Zhang, M. Vatanpour, M, Vatanpour, S.Tayyebi, O. Baghani, **M. Abbasnejad**, (2022), Prenatal Exposure to Classical Music Improves Learning and Memory in Adult Rats. *European Journal of Psychology open*, 1-9.

2. M. Tavakoli, N.R. Arghami, **M. Abbasnejad**, (2019), A Goodness of Fit Test For Normality Based on Balakrishnan-Sanghvi Information, *Journal of the Iranian Statistical Society*, 18, 177-190.

3. **M. Abbasnejad**, (2017), Inferences for Extended Generalized Exponential Distribution Based on Order Statistics, *Journal of the Iranian Statistical Society*, 16, 53-67.

4. **M. Abbasnejad**, (2016), Modified Estimators of Renyi Entropy with Application in Testing Exponentiality Based on Transformed Data, *iSTATiSTiC: Journal of the Turkish Statistical Association,* 9, 42-55.

5. **M. Abbasnejad**, G.R. Mohtashami Borzadaran, (2015), Some Results on Dynamic Generalized Survival Entropy. *Communications in Statistics: Theory & Methods*, 44, 1653-1668.

6. **M. Abbasnejad**, M. Tavakoli, N.R. Arghami, (2012), A goodness of fit test for exponentiality based on Lei-Wang information. *Journal of the Iranian Statistical Society*, 11, 191-202.

7. **M. Abbasnejad**, (2011), Testing exponentiality based on Renyi entropy of transformed data. *Journal of the Iranian Statistical Research*, 8, 149-162.

8. M. Abbasnejad, (2011), Some characterization results based on dynamic survival and failure entropies. *Communications of the Korean Statistical Society*, 18, 787-798.

9. **M. Abbasnejad**, N.R. Arghami, (2011), Renyi entropy properties of records. *Journal of Statistical Planning and Inference*, 141, 2312-2320.

10. **M. Abbasnejad**, N.R. Arghami, (2011), Renyi entropy properties of order statistics. *Communications in Statistics: Theory & Methods*, 40, 40-52.

11. M. Abbasnejad, (2011), Some goodness of fit tests based on Renyi information. *Applied Mathematical Sciences*, 5, 1921-1934.

12. **M. Abbasnejad**, N.R. Arghami, S. Morgenthaler, G.R. Mohtashami Borzadaran, (2010), On the dynamic survival entropy. *Statistics and Probability letters*, 80, 1962-1971.

13. **M. Abbasnejad**, D. Mohammadi, (2010), A test for symmetric distributions based on Renyi entropy. *Journal of Statistical Sciences*, 4, 21-33. In Persian.

14. **M. Abbasnejad**, M. Shakuri, (2008), A goodness of fit test for exponentiality based on Renyi entropy. *Journal of Statistical Sciences*, 2, 201-211. In Persian.

15. **M. Abbasnejad**, N.R. Arghami, (2006), Relations between Renyi distance and Fisher information. *Journal of the Iranian Statistical Society*, 5, 25-37.

16. **M. Abbasnejad**, N.R. Arghami, (2006), Potential statistical evidence in experiments and Renyi information. *Journal of the Iranian Statistical Society*, 5, 39-52.

- Papers in Conferences:

1. **M. Abbasnejad**, Some Goodness of Fit Tests Based on Cumulative Entropies of Comparison Distribution, *Proceeding of the 16th Iranian Statistics Conference, University of Mazandaran*, Iran. Aug. 2022.
2. V. GohariFard, **M. Abbasnejad**, Modified Estimators of Renyi Entropy and their Application in Testing Exponentiality Based on Transformed Data, *Proceeding of the 49th Annual Iranian Mathematics Conference, Iran University of Science & Technology.* Aug. 2018. In Persian.
3. F. Bayat, **M. Abbasnejad**, Parameters Estimation in Simple Step-Stress Model with Generalized Type-I Hybrid Censored Data from the Exponential Distribution, *Proceeding of the 49th Annual Iranian Mathematics Conference, Iran University of Science & Technology.* Aug. 2018. In Persian.
4. F. Bayat, **M. Abbasnejad**, Confidence Intervals for Parameters of Exponential Distribution Based on Simple Step-Stress Model with Generalized Type-I Hybrid Censored Data, *Proceeding of the 1th Iranian National Student Statistics Conference, Tarbiat Modarres University.* Aug. 2018. In Persian.
5. M. F. Sharifi, **M. Abbasnejad**, Inaccuracy of Order Statistics, *Proceeding of the Modern Methods in Insurance Pricing and Industrial Statistics, Bu-Ali Sina University, Iran.* Sep. 2017. In Persian.
6. Z. Keshmiri, **M. Abbasnejad**, Dynamic Cumulative Residual Inaccuracy, *Proceeding of the 3th Seminar on Reliability Theory and its Applications, Ferdowsi University of Mashhad, Iran.* May 2017. In Persian.
7. M. F. Sharifi, **M. Abbasnejad**, Residual Inaccuracy of Order Statistics, *Proceeding of the 3th Seminar on Reliability Theory and its Applications, Ferdowsi University of Mashhad, Iran.* May 2017. In Persian.
8. Z. Keshmiri, **M. Abbasnejad**, Dynamic Cumulative Past Inaccuracy, *Proceeding of the 10th Statistical Conference, Payame Noor University, Shiraz, Iran.* Mar. 2017. In Persian.
9. S. Esmaeili, M. Jamali, **M. Abbasnejad**, Length-Biased Weighted Exponential Distribution, *Proceeding of the10th Statistics Conference, Payame Noor University, Shiraz, Iran.* Mar. 2017. In Persian.
10. F. Mousavi, **M. Abbasnejad**, Dynamic Cumulative Past Entropy, *Proceeding of the 2th Seminar on Reliability Theory and its Applications, University of Tehran, Iran.* May. 2016. In Persian.

11. F. Mousavi, **M. Abbasnejad**, On Some Properties of Cumulative Kullback-Leibler Information , *Proceeding of the 8th International Congress on Mathematics and Applications, Shahid Beheshti University, Iran.* Jan. 2016. In Persian.

12. **M. Abbasnejad**, Stochastic Orderings of the Extended Generalized Exponential Distribution. *Proceeding of the 10th Seminar on Probability and Stochastic Processes, University of* Yazd, Iran. Aug. 2015.

13. S. Abbasi, **M. Abbasnejad**, Estimation of Stress-Strength Parameter for Generalized Exponential Distribution Based on Lower Records. *Proceeding of the 10th Seminar on Probability and Stochastic Processes, University of* Yazd, Iran. Aug. 2015. In Persian.

14. **M. Abbasnejad**, Testing Uniformity Based on Modified Correa-Type Estimators of Renyi Entropy, *Proceeding of the 12th Iranian Statistics Conference, Razi University*, Iran. Aug. 2014.

15. **M. Abbasnejad**, Some Ordering Results Based on Failure Entropy. *Proceeding of the 8th Seminar on Probability and Stochastic Processes, University of Guilan*, Iran. Sep. 2011.

16. A. AbbasiFard, **M. Abbasnejad**, Studying ordering results in Generalized Exponential Family. *Proceeding of the 8th Seminar on Probability and Stochastic Processes, University of Guilan*, Iran. Sep. 2011.

17. M. Shakuri, **M. Abbasnejad**, Goodness of Fit Tests for Exponential Distribution Based on Estimation of Renyi Information. *Proceeding of the 10th Iranian Statistics Conference, University of Tabriz*, Iran. Aug. 2010.

18. **M. Abbasnejad**, N.R. Arghami, Some results on dynamic Renyi entropy. *Proceeding of the 9th Iranian Statistics Conference, University of Isfahan*, Iran. Aug. 2008.

19. M. Abbasnejad, Weighted likelihood methods in small area estimation. *Proceeding of the7th Iranian Statistics Conference, Allameh Tabatabaei University*, Iran. Sep. 2004.

20. **M. Abbasnejad**, N.R. Arghami, Small area estimation. *Proceeding of the 6th Iranian Statistical Conference, Tarbiat Modarress University*, Iran. Sep. 2002.

Honors and Research Funds:

- Section of Mathematics, Swiss Federal Institute of Technology, Switzerland.

Research Interests:

- Information Theory
- Statistical Evidence
- Nonparametric Statistics
- Goodness of fit test

Teaching:

- Information Theory
- Nonparametric Statistics
- Probability I
- Regression

Reviewed papers for publication in:

- Information Sciences
- Metron
- Journal of the Iranian Statistical Research
- Journal of Mahani Mathematical Research
- Communications in Statistics

Theses as the supervisor:

1. Thesis title: Characterization of statistical distributions based on properties of information measures of order statistics.
   Level: M.Sc.   Present date: 2021

2. Thesis title: Estimation of stress–strength parameter for Kumaraswamy distribution
   Level: M.Sc.   Present date: 2019

3. Thesis title: Parameters Estimation in Simple Step-Stress Model with Generalized Type-I Hybrid Censored Data from the Exponential Distribution
   Level: M.Sc.   Present date: 2019

4. Thesis title: Statistical inference in exponential distribution based on generalized Type II Progressive hybrid censored data.
   Level: M.Sc.   Present date: 2017

5. Thesis title: Residual (past) inaccuracy measure of truncated random variables.
   Level: M.Sc.   Present date: 2018

6. Thesis title: A measure of Inaccuracy in order Statistics.
   Level: M.Sc.   Present date: 2017

7. Thesis title: Cumulative residual (past) inaccuracy measure of truncated random variables.
   Level: M.Sc.   Present date: 2017

8. Thesis title: Cumulative entropy and cumulative Kullback-Leibler information
    Level: M.Sc.   Present date: 2016

9. Thesis title: Estimation of Stress-Strength Parameter for Generalized Exponential
    Distribution Based on Lower Records
    Level: M.Sc.   Present date: 2015

10. Thesis title: Parameter estimation for the generalized exponential distribution based
    on Censored data
    Level: M.Sc.   Present date: 2011

11. Thesis title: Characterization of distributions based on Entropy Criteria
    Level: M.Sc.   Present date: 2011

12. Thesis title: Goodness of fit tests for exponentiality
    Level: M.Sc.   Present date: 2010