



Georgian National Academy of Sciences

ფოტო

Personal Data (CV)

Surname	Nadaraya	First Name	Elizbar
Address (work)	Tbilisi 0143, 1 I. Chavchavadze Avenue, Ivane Javakhishvili Tbilisi State University	Date and place of birth	April 17, 1935 Khobi, Georgia
Citizenship	Georgia	Contact phone number	Home: +995 32 2 230 222 Work: +995 32 2 304 145 Mobile: +995 599 570 555; +995 577 555 135
E-mail	elizbar.nadaraya@tsu.ge		

1. Education

Institution	Learning Time
Village Dzveli Khibula Secondary School	1943-1954
Tbilisi State University, faculty of mechanics and mathematics	1954-1959
Steklov Moscow Mathematical Institute-Postgraduate Program	1960-1963

2. Scientific or Academic Degree and Rank

	Title of the thesis	Date of conferment
Ph.D. thesis	Statistical Estimation of the Probability Density Function and Some Related Characteristics	1964
Doctoral thesis	Statistical Estimation of Functional Characteristics of the Distribution Law of Observations	1981
Academician Doctor	Professor of Ivane Javakhishvili Tbilisi State University	1982
Research Follow of the Academy		
Corresponding Member of the	Corresponding Member of the Academy in Mathematics	2001

Academy		
Member of the Academy (Academician)	Member of the Academy in Information Processing and Statistical Analysis	2023

3. Knowledge of Languages

Foreign languages	Level of language proficiency (fluent, intermediate, beginning with the help of a dictionary)
English	beginning with the help of a dictionary
Russian	fluent

4. Work Experience (Including permanent positions abroad)

Date	Institution	Position
1966-1969	Institute of Applied Mathematics of Tbilisi State University	Scientific researcher of the research laboratory
1969-1970	Institute of Applied Mathematics of Tbilisi State University	Deputy head of the department of probability and mathematical statistics
1970-1971	Institute of Applied Mathematics of Tbilisi State University	Acting head of the department of probability and mathematical statistics
1971-1973	Institute of Applied Mathematics of Tbilisi State University	Head of the department of probability and mathematical statistics
1973-1978	Economics and Law Institute of the Georgian Academy of Sciences	Head of the department of probability theory and mathematical statistics
1978-1982	Ivane Javakishvili Tbilisi State University	Docent of the department of probability theory and mathematical statistics
1982-1986	Ivane Javakishvili Tbilisi State University	Professor of the department of probability theory and mathematical statistics
1986-2006	Ivane Javakishvili Tbilisi State University	Head of the department of probability theory and mathematical statistics
2006-2009	Ivane Javakishvili Tbilisi State University	Head of the probability theory and mathematical statistics division and full Professor at the faculty of exact and natural sciences
2009-2012	Ivane Javakishvili Tbilisi State University	Head of the probability theory and mathematical statistics division and full Professor at the faculty of exact and natural sciences
2012-2018	Ivane Javakishvili Tbilisi State University	Head of the probability theory and mathematical statistics division and full Professor at the faculty of exact and natural sciences
From 2018 to present	Ivane Javakishvili Tbilisi State University	Professor of the department of probability theory and mathematical statistics at the faculty of exact and natural sciences
From 2018 to present	Ivane Javakishvili Tbilisi State University	Head of the department of probability theory and mathematical statistics at the faculty of exact and natural sciences

4.1 Teaching Activity

Date	Institution	Position
1978-1982	Ivane Javakishvili Tbilisi State University	Docent of the department of probability theory and mathematical statistics
1982-1986	Ivane Javakishvili Tbilisi State University	Professor of the department of probability theory and mathematical statistics
2006-2009	Ivane Javakishvili Tbilisi State University	Head of the probability theory and mathematical statistics division and full Professor at the faculty of exact and natural sciences

2009-2012	Ivane Javakhishvili Tbilisi State University	Head of the probability theory and mathematical statistics division and full Professor at the faculty of exact and natural sciences
2012-2018	Ivane Javakhishvili Tbilisi State University	Head of the probability theory and mathematical statistics division and full Professor at the faculty of exact and natural sciences
From 2018 to present	Ivane Javakhishvili Tbilisi State University	Professor of the department of probability theory and mathematical statistics at the faculty of exact and natural sciences

4.2 Work Abroad (Long-term visits to international universities or research centers)

Date	Place and Institution

5. Scientific Interests

Probability Theory and Mathematical Statistics Theory of Nonparametric Estimation of Functional Characteristics of Distributions Theory of Statistical Estimations Nonparametric Methods in Statistics Nonparametric Estimation of Density and Regression Functions

6. Publications (Total number)

Author of up to 200 publications, including 5 monographs and 6 textbooks
--

6.1 Citation Index

Scopus, h index-4, citation 36 Google Scholar, h index-10, citation 7659 Web of Sciences, h index-4, citation 616

6.2 Monographs

Years	
1983	Nonparametric Estimation of Probability Density and Regression Curve. Tbilisi University Press, Tbilisi.
1989	Nonparametric estimation of probability densities and regression curves. Kluwer Academic Publishers Group, Dordrecht
2005	Some Problems of the Theory of Nonparametric Estimation of Functional Characteristics of the Distribution Law of Observations. Tbilisi University Press, Tbilisi.
2008	Some Problems of the Theory of Nonparametric Estimation of Functional Characteristics of the Distribution Law of Observations (Second Revised and Expanded Edition). Tbilisi University Press, Tbilisi.
2013	Nonparametric estimation of probability densities and regression curves. (new edition) Kluwer Academic Publishers Group, Dordrecht

6.3 Principal Papers (no more than 50)

Years	
-------	--

2009	* Statistical estimation of a logarithmic derivative measure in a Hilbert space (with G. A. Sokhadze, A. D. Shatashvili). (Russian) <i>Kibern. Sist. Anal.</i> 2009 , no. 5, 106-110; translation in <i>Cybern. Syst. Anal.</i> 45 (2009), no. 5, 762-766
2009	* On some goodness-of-fit tests based on estimates of kernel-type distribution densities (with P. Babilua, G. Sokhadze). (Russian) <i>Teor. Veroyatn. Primen.</i> 54 (2009), no. 2, 359-367; translation in <i>Theory Probab. Appl.</i> 54 (2010), no. 2, 324-333
2009	* On one property of the Wiener integral and its statistical application (with P. Babilua, A. Shatashvili, G. Sokhadze). <i>Random Oper. Stoch. Equ.</i> 17 (2009), no. 2, 173-187
2010	* On the statistical estimation of the logarithmic derivative of a measure in a Hilbert space (with G. Sokhadze). <i>Georgian Math. J.</i> 17 (2010), no. 4, 741-747
2010	* On a measure of integral square deviation with generalized weight for the Rosenblatt-Parzen probability density estimator (with P. Babilua, G. Sokhadze). <i>Ukr. Mat. Zh.</i> 62 (2010), no. 4, 514-535 and in <i>Ukr. Math. J.</i> 62 (2010), no. 4, 588-611
2010	On the regression estimation in a Hilbert space (with P. Babilua, G. Sokhadze). <i>Bull. Georgian Natl. Acad. Sci. (N.S.)</i> 4 (2010), no. 1, 8-11
2010	On the estimation of a distribution function by an indirect sample. I (with P. Babilua, G. Sokhadze). <i>Bull. Georgian Natl. Acad. Sci. (N.S.)</i> 4 (2010), no. 3, 5-12
2010	* Estimation of a distribution function by an indirect sample (with P. Babilua, G. Sokhadze). <i>Ukr. Mat. Zh.</i> 62 (2010), no. 12, 1642-1658 and <i>Ukr. Math. J.</i> 62 (2010), no. 12, 1906-1924
2010	On one problem of hypothesis testing (with B. Dochviri, O. Purtukhia, G. Sokhadze). <i>Rep. Enlarged Sess. Semin. I. Vekua Inst. Appl. Math.</i> 24 (2010), 31-34
2010	On the estimation of probability of initial distribution dynamics on sample at the end of interval (with P. Babilua, G. Sokhadze). <i>The Third International Conference "Problems of Cybernetics and Informatics" (September 6-8, 2010)</i> , pp. 223-227, Baku, Azerbaijan, 2010
2010	* Integral functionals of the density (with D. M. Mason, G. Sokhadze). <i>Inst. Math. Stat. (IMS) Collect.</i> 7 (2010), 153-168
2011	On the estimation of the coefficients in one stochastic model of an enzymic reaction (with B. Dochviri, G. Sokhadze, G. Tkemaladze). <i>Bull. Georgian Natl. Acad. Sci. (N.S.)</i> (2011) 5, no. 1, 104-107
2011	* On the estimation of a distribution function by an indirect sample, I (with P. Babilua, G. Sokhadze). <i>Adv. Appl. Math. Sci.</i> 8 (2011), no. 1, 27-37
2011	* On the estimation of a distribution function by an indirect sample, II (with P. Babilua, G. Sokhadze). <i>Adv. Appl. Math. Sci.</i> 9 (2011), no. 2, 125-135
2011	On the estimation of a distribution function by an indirect sample, II (with P. Babilua, G. Sokhadze). <i>Bull. Georgian Natl. Acad. Sci. (N.S.)</i> 5 (2011), no. 2, 11-18
2011	On one problem of Stefan (with B. Dochviri, O. Purtukhia, G. Sokhadze). <i>Appl. Math. Inform. Mech.</i> 16 (2011), no. 1, 3-7
2012	On the Cramer-Rao inequality in an infinite dimensional space (with P. Babilua, M. Patsatsia, G. Sokhadze). <i>Bull. Georgian Natl. Acad. Sci. (N.S.)</i> 6 (2012), no. 1, 5-13
2012	On one nonparametric estimate of a Bernoulli regression function (with P. Babilua, M. Patsatsia). <i>Bull. Georgian Natl. Acad. Sci. (N.S.)</i> 6 (2012), no. 2, 5-10
2012	On the Cramer-Rao inequality in an infinite dimensional space (with O. Purtukhia, G. Sokhadze). <i>Proc. A. Razmadze Math. Inst.</i> 160 (2012), 121-134
2012	On one statistical problem in the Hilbert space (with Z. Khechinashvili, G. Sokhadze, A. Tkeshelashvili). <i>Proc. I. Vekua Inst. Appl. Math.</i> 61-62 (2011-2012), 55-64 (2012)
2013	* On the integral square measure of deviation of a nonparametric estimator of the Bernoulli regression (with P. Babilua, G. Sokhadze). (Russian) <i>Teor. Veroyatn. Primen.</i> 57 (2012), no. 2, 322-336; translation in <i>Theory Probab. Appl.</i> 57 (2013), no. 2, 265-278
2013	* About the nonparametric estimation of the Bernoulli regression (with P. Babilua, G. Sokhadze). <i>Commun. Stat., Theory Methods</i> 42 (2013), no. 22, 3989-4002
2014	* Functionals of Gasser-Muller estimators (with P. Babilua, G. Sokhadze). <i>Turkish J. Math.</i> 38 (2014), no. 6, 1090-1101
2014	On testing the hypothesis of equality of two Bernoulli regression functions (with P. Babilua, G. Sokhadze). <i>Bull. Georgian Natl. Acad. Sci. (N.S.)</i> 8 (2014), no. 1, 18-26

2014	* About testing the hypothesis of equality of two Bernoulli regression curves (with P. Babilua, G. Sokhadze). <i>J. Math. Sci. Model.</i> 4 (2014), no. 9, 142-150
2014	On integral square deviation of two kernel estimators of Bernoulli regression functions (with P. Babilua, G. Sokhadze). <i>Rep. Enlarged Sess. Semin. I. Vekua Appl. Math.</i> 28 (2014), 74-77
2015	* On the square-integrable measure of the divergence of two nuclear estimations of the Bernoulli regression functions (with P. K. Babilua, G. A. Sokhadze). (Russian) <i>Ukr. Mat. Zh.</i> 67 (2015), no. 1, 3-18; translation in <i>Ukr. Math. J.</i> 67 (2015), no. 1, 1-18
2015	* Integral functionals of the Gasser-Müller regression function (with D. Arabidze, P. Babilua, G. Sokhadze, A. Tkeshelashvili). <i>Ukr. Math. J.</i> 67 (2015), no. 4, 493-505 and <i>Ukr. Mat. Zh.</i> 67 (2015), no. 4, 435-446
2015	On functionals of a density (with G. Sokhadze). <i>Proc. A. Razmadze Math. Inst.</i> 168 (2015), 87-97
2015	* On the limit properties of maximal likelihood estimators in a Hilbert space (with P. Babilua, G. Sokhadze). <i>Georgian Math. J.</i> 22 (2015), no. 2, 171-178
2015	On functionals of Gasser-Müller estimators (with P. Babilua, G. Sokhadze). <i>Rep. Enlarged Sess. Semin. I. Vekua Appl. Math.</i> 29 (2015), 16-19
2016	* Verification of the hypotheses on the equality of densities of distributions (with P. K. Babilua, G. A. Sokhadze). (Russian) <i>Ukr. Mat. Zh.</i> 68 (2016), no. 5, 586-600; translation in <i>Ukr. Math. J.</i> 68 (2016), no. 5, 661-678
2016	On testing hypothesis of equality distribution density (with P. Babilua, G. Sokhadze). <i>Bull. Georgian Natl. Acad. Sci. (N.S.)</i> 10 (2016), no. 3, 27-32
2016	* On integral functionals of a density (with G. Sokhadze). <i>Commun. Stat. Theory Methods</i> 45 (2016), no. 23, 7086-7102
2017	On the estimation of the odds-ratio based on kernel estimates of the regression function (with P. Babilua, M. Patsatsia, Z. Khechinashvili). <i>Bull. Georgian Natl. Acad. Sci. (N.S.)</i> 11 (2017), no. 3, 14-21
2018	On the homogeneity test based on the kernel-type estimators of a distribution density (with P. Babilua). <i>Trans. A. Razmadze Math. Inst.</i> 172 (2018), no. 3, part A, 318-331
2018	Professor Gvanji Mania (1918-1985) (with O. Purtukhia). <i>Trans. A. Razmadze Math. Inst.</i> 172 (2018), no. 3, part A, 293-298
2018	On deviation between kernel-type estimators of a distribution density in some independent samples (with P. Babilua, M. Patsatsia). <i>Bull. TICMI</i> 22 (2018), no. 1, 25-39
2018	* On deviations between kernel-type estimators of a distribution density in $p \geq 2$ independent samples (with P. K. Babilua). <i>Commun. Stat. Theory Methods</i> 47 (2018), no. 2, 475-492
2019	* On one homogeneity test based on quadratic deviations between kernel estimators of a distribution density in $p \geq 2$ independent samples (with P. K. Babilua). (Russian) <i>Teor. Veroyatn. Primen.</i> 63 (2018), no. 63, 654-668; translation in <i>Theory Probab. Appl.</i> 63 (2019), no. 4, 532-544
2019	* On one homogeneity test based on the kernel-type estimators of the distribution density (with P. K. Babilua). (Russian) <i>Ukr. Mat. Zh.</i> 71 (2019), no. 4, 443-454; translation in <i>Ukr. Math. J.</i> 71 (2019), no. 4, 505-518
2020	* On nonparametric kernel-type estimate of the Bernoulli regression function (with P. K. Babilua). Jaiani, George (ed.) et al., <i>Applications of Mathematics and Informatics in Natural Sciences and Engineering, AMINSE 2019</i> . Selected papers based on the presentations at the 4th conference (Tbilisi, Georgia, September 23-26, 2019), Springer, Cham, <i>Springer Proc. Math. Stat.</i> 334 (2020), 19-36.
2020	On the testing hypothesis of equality of two Bernoulli regression functions (with P. Babilua). <i>Trans. A. Razmadze Math. Inst.</i> 174 (2020), no. 2, 135-146
2020	On the estimating the Bernoulli regression function using Bernstein polynomials (with P. Babilua). <i>Bull. Georgian Natl. Acad. Sci.</i> 14 (2020), no. 1, 23-27
2020	On the Chi-square test of homogeneity in case of a simultaneous increase of the number of observations and the number of interval partitions (with P. Babilua, M. Patsatsia). <i>Bull. Georgian Natl. Acad. Sci.</i> 14 (2020) no. 2, 14-17
2021	* On estimating the Bernoulli regression function using Bernstein polynomials (with P. K. Babilua). <i>Commun. Stat., Theory Methods</i> 50 (2021), no. 17, 3928-3941
2021	On a new method of testing the hypothesis of equality of two Bernoulli regression functions for group observations (with P. Babilua). <i>Bull. Georgian Natl. Acad. Sci. (N.S.)</i> 15 (2021), no. 4, 13-19
2022	* On a new estimation method of the Bernoulli regression function (with P. Babilua). (Russian) <i>Teor. Veroyatn. Primen.</i> 67 (2022), no. 2, 209-222; translation in <i>Theory Probab. Appl.</i> 67 (2022), no. 2, 163-174

2022	* On a new method of the testing hypothesis of equality of two Bernoulli regression functions for group observations (with P. Babilua). <i>Georgian Math. J.</i> 29 (2022), no. 2, 167-177
2022	On the Nadaraya-Watson type nonparametric estimate of Poisson regression function (with P. Babilua). <i>Trans. A. Razmadze Math. Inst.</i> 176 (2022), no. 3, 429-433

6.4 Textbooks, Additional Manuals, and other Methodological Literature and Training means

Years	
2008	Collection of Problems in Probability Theory. Kutaisi State University Press, Kutaisi
2008	Probability Theory and Mathematical Statistics (Problem Book). Kutaisi State University Press, Kutaisi
2009	Probability Theory. Tbilisi State University Press, Tbilisi
2017	Probability Theory, 3rd Edition. Tbilisi State University Press, Tbilisi
2018	Stochastic Financial Mathematics, Part I: Discrete Time. "Universali", Tbilisi

6.5 Participation in Scientific Symposiums, Conferences for the last 5 years

Years	Title	Name of Event
January 29-30, 2013	On the Integral Square Deviation of a Nonparametric Estimator of the Bernoulli Regression Function	First Scientific Conference in Exact and Natural Sciences ENS113 of Ivane Javakhishvili Tbilisi State University, Tbilisi, Georgia
April 22-24, 2013	On the Nonparametric Estimation of the Bernoulli Regression Function	Enlarged Session of the Seminar of Ilia Vekua Institute of Applied Mathematics of Ivane Javakhishvili Tbilisi State University, Tbilisi, Georgia
September 9-15, 2013	Some limit properties of maximal likelihood estimation in a Hilbert space	IV Annual Conference of the Georgian Mathematical Union, Batumi, Georgia
September 4-7, 2013	Some limit properties of maximal likelihood estimation in a Hilbert space	Second International Conference on "Modern Problems in Applied Mathematics" Dedicated to the 95th Anniversary of Ivane Javakhishvili Tbilisi State University & 45th Anniversary of Ilia Vekua Institute of Applied Mathematics, Tbilisi, Georgia
January 23 – February 3, 2014	On the Asymptotic Properties of the Maximum Likelihood Estimator in a Hilbert Space	TSU, Second Scientific Conference of the Faculty of Exact and Natural Sciences Dedicated to the 125th Anniversary of Andria Razmadze's Birth, Tbilisi, Georgia
January 23 – February 3, 2014	On the Hypothesis of Equality of Two Bernoulli Regression Functions	TSU, Second Scientific Conference of the Faculty of Exact and Natural Sciences Dedicated to the 125th Anniversary of Andria Razmadze's Birth, Tbilisi, Georgia
April 22-24, 2014	On the Distribution of the Integral Square Deviation of the Regression Function	TSU Ilia Vekua Institute of Applied Mathematics, Tbilisi, Georgia
September 5-6, 2014	On the Functionals of the Probability Density Function	Caucasian Mathematicians Conference, CMI, Tbilisi, Georgia
September 8-12, 2014	On the Limit Distribution of the Integral Square Deviation Between Two Estimators of the Bernoulli Regression Function	Conference of the Congress of Georgian Mathematicians, Batumi, Georgia
September 9-12, 2015	The Limiting Distribution of an Integral Square Deviation of Two Kernel Estimators of Bernoulli Regression Function	VI Annual Conference of the Georgian Mathematical Union, Batumi, Georgia
January 25-27, 2016	Integral Functionals of the Density Function	TSU Faculty of Exact and Natural Sciences 4th Scientific Conference, Tbilisi, Georgia
January 25-27, 2016	Hypothesis Testing for the Equality of Probability Densities	TSU Faculty of Exact and Natural Sciences 4th Scientific Conference, Tbilisi, Georgia
April 20-22, 2016	On Hypothesis Testing for the Equality of Probability Densities	XXX Enlarged Sessions of the Seminar of the Ilia Vekua Institute of Applied Mathematics,

		Tbilisi, Georgia
April 20–22, 2016	On the Estimation of an Integral Functional of the Probability Density Function	XXX Enlarged Sessions of the Seminar of the Ilia Vekua Institute of Applied Mathematics, Tbilisi, Georgia
September 4–9, 2016	On the Test Statistic for the Hypothesis of Equality of Several Probability Densities	7th Joint International Conference of the Georgian Mathematical Union & the Georgian Union of Mechanics, Batumi, Georgia
November 16, 2016	On the Hypothesis of Equality of Probability Densities	Seminar of the Ilia Vekua Institute of Applied Mathematics, TSU, Tbilisi, Georgia
January 25–27, 2016	Integral Functionals of the Density Function	4th Scientific Conference of the Faculty of Exact and Natural Sciences, TSU, Tbilisi, Georgia
February 7–10, 2017	On a Criterion for Testing the Hypothesis of Equality of Densities	5th Scientific Conference of the Faculty of Exact and Natural Sciences, TSU, Tbilisi, Georgia
September 4–8, 2017	On the Integral Square Deviation of Kernel Density Estimators in $p \geq 2$ Independent Samples	8th Joint International Conference of the Georgian Mathematical Union & the Georgian Union of Mechanics, Batumi, Georgia
February 7–10, 2017	On the Deviations of Kernel Density Estimators in $p \geq 2$ Independent Samples	5th Scientific Conference of the Faculty of Exact and Natural Sciences, TSU, Tbilisi, Georgia
April 19–21, 2017	On the Deviations of Kernel Density Estimators in $p \geq 2$ Independent Samples	XXXI Enlarged Sessions of the Seminar of the Ilia Vekua Institute of Applied Mathematics, TSU, Tbilisi, Georgia
November 15, 2017	On the Wolverton–Wagner Nonparametric Estimation of the Probability Density Function	Session of the Seminar of the Ilia Vekua Institute of Applied Mathematics, TSU, Tbilisi, Georgia
September 3–8, 2018	Professor Gvanji Mania – 100th Anniversary	9th International Conference of the Georgian Mathematical Union, Batumi–Tbilisi, Georgia
February 12–15, 2018	On the Estimation of the Odds-Ratio Using Kernel Estimation of the Regression Function	6th Scientific Conference of the Faculty of Exact and Natural Sciences, TSU, Tbilisi, Georgia
February 12–15, 2018	On the Wolverton–Wagner Estimation of the Probability Density Function	6th Scientific Conference of the Faculty of Exact and Natural Sciences, TSU, Tbilisi, Georgia
April 18–20, 2018	On the Nonparametric Estimation of the Bernoulli Regression Function	XXXII International Enlarged Sessions of the Seminar of the Ilia Vekua Institute of Applied Mathematics (IAM), Tbilisi, Georgia
September 3–8, 2018	On a Criterion for Testing Homogeneity	9th International Conference of the Georgian Mathematical Union, Batumi–Tbilisi, Georgia
September 3–8, 2018	Some Goodness-of-Fit Criteria for the Probability Density Function Based on Wolverton–Wagner Type Estimators	9th International Conference of the Georgian Mathematical Union, Batumi–Tbilisi, Georgia
July 16–18, 2018	On some goodness-of-fit tests based on Wolverton–Wagner type estimates of distribution	International Conference on Probability Theory and Mathematical Statistics Dedicated to 100th Anniversary of Professor Gvanji Mania, Tbilisi, Georgia,
September 19–21, 2018	On Some Goodness-of-Fit Tests Based on Wolverton–Wagner Type Estimates of Distribution Density	The Third International Conference “Modern Problems in Applied Mathematics” Dedicated to the Centenary of Ivane Javakhishvili Tbilisi State University and 50th Anniversary of Ilia Vekua Institute of Applied Mathematics, Tbilisi, Georgia
February 11–15, 2019	On the Limit Distribution of the Integral Square Deviation of the Wolverton–Wagner Type Estimator	7th Annual Faculty Scientific Conference in Exact and Natural Sciences, Tbilisi, Georgia http://conference.ens-2019.tsu.ge/
February 11–15, 2019	On Some Goodness-of-Fit Criteria Based on the Wolverton–Wagner Type Estimator	7th Annual Faculty Scientific Conference in Exact and Natural Sciences, Tbilisi, Georgia

		http://conference.ens-2019.tsu.ge/
April 23–25, 2019	On the Limit Distribution of the Integral Square deviation of the Wolverton–Wagner Type Estimator	XXXIII International Enlarged Sessions of the Seminar of the Ilia Vekua Institute of Applied Mathematics, Tbilisi, Georgia http://www.viam.science.tsu.ge/enlarged/2019
April 23–25, 2019	On Some Goodness-of-Fit Criteria Based on the Wolverton–Wagner Type Estimator	XXXIII International Enlarged Sessions of the Seminar of the Ilia Vekua Institute of Applied Mathematics, Tbilisi, Georgia http://www.viam.science.tsu.ge/enlarged/2019
September 3–8, 2019	On the Estimation of the Bernoulli Regression Function Using Bernstein Polynomials	9th International Conference of the Georgian Mathematical Union, Batumi–Tbilisi, Georgia http://www.gmu.ge/Batumi2019/ENG/index.html
September 3–8, 2019	On the Limit Distribution of the Integral Square Deviation of the Nonparametric Estimator of the Bernoulli Regression Function	9th International Conference of the Georgian Mathematical Union, Batumi–Tbilisi, Georgia http://www.gmu.ge/Batumi2019/ENG/index.html
September 9–13, 2019	On the integral square measure of deviation of one nonparametric estimator of the Bernoulli regression	International Conference on Probability Theory and Statistics Dedicated to the 75th Birthday of Professor Estate V. Khmaladze, Tbilisi, Georgia, http://khmaladze-75-tbilisi-2019.tsu.ge
September 23–26, 2019	On the limit distribution of the integral square deviation of a nonparametric estimator of the Bernoulli regression function for one sample and two independent samples	The Fourth International Conference on Applications of Mathematics and Informatics in Natural Sciences and Engineering, AMINSE 2019, Tbilisi, Georgia, http://www.viam.science.tsu.ge/aminse2019/
February 3–7, 2020	On the Limit Distribution of the Integral Square Deviation of the Nonparametric Estimator of the Bernoulli Regression Function in the Two-Sample Case	8th Annual Faculty Scientific Conference in Exact and Natural Sciences, Tbilisi, Georgia http://conference.ens-2020.tsu.ge/
February 3–7, 2020	On the Limit Distribution of the Integral Square Deviation of the Nonparametric Estimator of the Bernoulli Regression Function	8th Annual Faculty Scientific Conference in Exact and Natural Sciences, Tbilisi, Georgia http://conference.ens-2020.tsu.ge/
April 23–25, 2020	On the Estimation of the Bernoulli Regression Function Using Bernstein Polynomials	XXXIV International Enlarged Sessions of the Seminar of the Ilia Vekua Institute of Applied Mathematics, Tbilisi, Georgia http://www.viam.science.tsu.ge/enlarged/2020
April 23–25, 2020	On the Chi-Square Test for Homogeneity When Both the Number of Observations and the Number of Intervals Increase Simultaneously	XXXIV International Enlarged Sessions of the Seminar of the Ilia Vekua Institute of Applied Mathematics, Tbilisi, Georgia http://www.viam.science.tsu.ge/enlarged/2020
September 21–22, 2020	On nonparametric kernel-type estimate of the Bernoulli regression function	Scientific Conference “Modern Problems of Stochastic Analysis” Dedicated to the 100th Anniversary of the Birth of Academician S. Kh. Sirajdinov, Tashkent, Uzbekistan
September 25, 2020	On the estimating the Bernoulli regression function using Bernstein polynomials	International Conference in “Modern Stochastic Models and Problems of Actuarial Mathematics”, Karshi, Uzbekistan
November 19–20, 2020	On the Estimation of the Bernoulli Regression Function Using Bernstein Polynomials	Georgian-American University Conference “Applications of Stochastic Processes and Mathematical Statistics in Financial Economics and Social Sciences, V”, Tbilisi, Georgia

April 21-23, 2021	On the one nonparametric estimator of the Poisson regression function	XXXV International Enlarged Sessions of the Seminar of Ilia Vekua Institute of Applied Mathematics of Ivane Javakhisvili Tbilisi State University, Tbilisi, Georgia, http://www.viam.science.tsu.ge/enlarged/2021/
August 23-27, 2021	On the one nonparametric estimator of the Bernoulli regression function	XI International Conference of the Georgian Mathematical Union, Batumi, Georgia, http://gmu.gtu.ge/Batumi2021/index.html
June 16-19, 2021	On the One Nonparametric Estimate of Poisson Regression Function	The Fifth International Conference on Applications of Mathematics and Informatics in Natural Sciences and Engineering Dedicated to the 25th Anniversary of Foundation Tbilisi International Centre of Mathematics and Informatics (TICMI) AMINSE5, Tbilisi, Georgia
December 15–16, 2021	On a Nonparametric Estimation of the Poisson Regression Function	Georgian-American University Conference “Applications of Stochastic Processes and Mathematical Statistics in Financial Economics and Social Sciences, VI”, Tbilisi, Georgia
February 20-21, 2021	On the integral square deviation between two kernel type estimators of the Bernoulli regression functions for the group data	Scientific Conference “Actual problems of stochastic analysis”, Dedicated to the 80th Anniversary of the Birth of Academician Formanov Sh. K., Tashkent, Uzbekistan, https://pps.kaznu.kz/kz/Main/FileShow2/186369/127/3/928/2021
June 1-4, 2021	On the estimate of the Bernoulli regression function International	Conference “Modern Stochastics: Theory and Applications V” (MSTA-V-2021), Kyiv, Ukraine, http://probability.univ.kiev.ua/msta5
June 29 - July 02, 2021	On the estimate of the Bernoulli regression function	Fifth International Webinar On Recent Trends In Statistical Theory And Applications-2021 (WSTA-2021), Trivandrum, India
December 15-19, 2021	Nonparametric Estimate of Poisson Regression Function	International Conference under the Title “Seventh International Conference on Statistics for Twenty-first Century - 2021 (ICSTC-2021)”, Trivandrum, India
April 19–21, 2022	On the Estimation of the Bernoulli Regression Function Using Bernstein Polynomials for Grouped Data	XXXVI International Enlarged Sessions of the Seminar of the Ilia Vekua Institute of Applied Mathematics, Tbilisi, Georgia http://www.viam.science.tsu.ge/enlarged/2022/
August 29 – September 3, 2022	On the one nonparametric estimate of Poisson regression function	XII International Conference of the Georgian Mathematical Union, Batumi, Georgia, http://gmu.gtu.ge/Batumi2022/proge.html
ChatGPT said: November 24–25, 2022	On a New Method for Testing the Equality Hypothesis of Two Bernoulli Regression Functions for Grouped Data	Applications of Stochastic Processes and Mathematical Statistics in Financial Economics and Social Sciences VII Georgian-American University, Tbilisi, Georgia https://www.gau.edu.ge/ka/research/business-research/center
December 21–22, 2022	On a Nonparametric Estimation of the Bernoulli Regression Function	Conference Dedicated to the Memory of Academician Niko Vakhania “Analysis, Stochastics, Computing – 2022” (ASC – 2022), Tbilisi, Georgia https://micm.edu.ge/vakhania90
September 26-28, 2022	On the one nonparametric estimate of Poisson regression function	International Conference – The Limit Theorems of Probability Theory and Mathematical Statistics, Romanovsky Institute of Mathematics of the Academy of Sciences of Uzbekistan and Steklov Mathematical Institute of the Academy of Sciences of Russian Federation, Tashkent, Uzbekistan, http://www.ltps-2022.nuu.uz/eng/
December 15-19, 2022	On the one new method of testing hypothesis of equality two Bernoulli regression functions for group	Eighth International Conference on Statistics for Twenty-first Century-2022 (ICSTC 2022)” organized by International Statistics Fraternity (ISF), Kerala, India,

	observations	https://sites.google.com/view/icstc2022?pli=1
--	--------------	---

7. Inventions (Author's Certificate, Patents)

Years	Name

8. International and Local Scientific grants

Years	Name
1998-2000	Grant #10, Ivane Javakhishvili Tbilisi State University – Some Problems of Mathematical Physics, Regression Analysis, and Applications in Stochastic Analysis
2005–2006	Ministry of Education and Science of Georgia, Project #37 – Stochastic Analysis and Applications in Financial Mathematics
2006-2009	Shota Rustaveli National Science Foundation of Georgia, Grant #GNSF/ST06/3-039 – Nonparametric Estimation of Density and Regression Functions, Stochastic Analysis, and Applications in Financial Mathematics
2010-2011	Shota Rustaveli National Science Foundation of Georgia, Grant #GNSF/ST09_383_3-106 – Some Constructions in Stochastic Analysis and Statistical Decision Making
2013-2014	Shota Rustaveli National Science Foundation of Georgia, Grant #GNSF/STFR/308/5-104/12 – Some Problems of Statistical Estimation and Stochastic Analysis

9. Scientific-Commercial Activity, Implementation

Years	Name

10. Other Activities

	Name	Years
Supervision of Theses work	Iosif Melamed – "Fisher Information on Location and Scale Parameters Contained in Certain Linear Spaces, and Equivalent Estimation of Parameters in Large Samples" – Candidate Dissertation	1975
	Tristan Buadze – "Nonparametric Estimation of Multivariate Density" – Candidate Dissertation	1982
	Mamuka Nadareishvili – "On Nonparametric Kernel Estimates of the Probability Density and Regression Function" – Candidate Dissertation	1983
	Revaz Absava – "On Nonparametric Kernel Estimates of the Probability Density in the Multivariate Case" – Candidate Dissertation	1986
	Mzevinari Patsatsia – "On Teaching Elements of Probability Theory in Secondary School" – Candidate Dissertation	2004
	Tsiala Dzidziguri – "Methodology for Implementing Interdisciplinary Connections in Natural Science Specialties" – Candidate Dissertation	2005

	Ia Bokuchava – "Optimal Stopping of Stochastic Processes and Modeling of American Option Pricing" – Candidate Dissertation	2006
	Revaz Absava – "Nonparametric Estimation of Functional Characteristics of the Distribution Law and Its Applications in Classification and Identification Problems" – Doctoral Dissertation	2004
	Aleksandre Tkeshelashvili – "Study and Applications of Certain Properties of Random Measures" – Academic Doctor (Ph.D.)	2011
	Dimitri Arabidze – "On Integral Functionals of the Regression Function" – Academic Doctor (Ph.D.)	2015
	Aleksandre Sborshikov – "Probabilistic and Statistical Modeling of Certain Seismic Processes" – Academic Doctor (Ph.D.)	2019
Supervision of Master's Theses	Inga Kikvidze – "Problems of Estimating the Distribution Density and Regression Function" – Master's Thesis	2004
	Tamar Megrelishvili – "On Kernel Estimation of Distribution Density" – Master's Thesis	2005
	Medea Otinashvili – "Construction of Confidence Intervals for Distribution Density and Hypothesis Testing for the Regression Function" – Master's Thesis	2006
	Gocha Gabunia – "On Nonparametric Statistical Estimators" – Master's Thesis	2009
	Ekaterine Tskhipurishvili – "Application of Smooth Measures in Statistics" – Master's Thesis	2012
	Giorgi Narimanidze – "Kernel Estimates of the Density Function and Properties of the Integral Functional Obtained by Substitution" – Master's Thesis	2013
Participation in International, State and Regional Programs		

11. Membership in international scientific organizations

Years	Name
Since 1996	Member of the International Statistical Institute

12. Awards and Prizes

Date	Name of Awards, Prizes
1990	Ilia Vekua Prize of the Georgian Academy of Sciences
1996	Ivane Javakhishvili Medal of Ivane Javakhishvili Tbilisi State University
2003	Order of Honor
2013	Order of Honor

13. Honorary Title

Date	Honorary Title

p.s. The incomplete qualitative and quantitative characteristics of the recognition of Prof. E. Nadaraya's contribution to science are as follows:

- Part of E. Nadaraya's scientific results are included in up to 100 monographs and textbooks in mathematics (see: <http://www.books.google.com/books?q=nadaraya-watson>);
- The Nadaraya–Watson formula is applied in various scientific articles and monographs, especially in economics and finance (for example, see on Google: Nadaraya–Watson Estimator in Economics and Finance);
- E. Nadaraya's results have also been incorporated into lecture courses (for example, see on Google: Mini-course “Nonparametric Curve Estimation”, Lecture 3, September 18, 2014; CSE 6740 Lecture 7 – Georgia Institute of Technology, and others). A significant part of Elizbar Nadaraya's main results is presented in full in more than 100 scientific monographs and textbooks (<http://www.books.google.com/books?q=nadaraya-watson>).

Two of E. Nadaraya's works are listed on the website of the SIAM journal *Theory of Probability and Its Applications* among the **top 10 most popular articles ever published** in this journal (with high scores): <http://www.mathnet.ru/php/tvp>.