**Tetiana Manzhos**

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**TECHNICAL SKILLS**

* Linear algebra, mathematical analysis, methods of optimization and forecasting, probability theory, time series analysis, fuzzy modelling and optimization
* Hypothesis testing, statistical analysis
* Data visualization
* Machine learning algorithms
* Scrum
* Python, R, Octave, Wolfram Mathematics
* Linux
* SQL

**EXPERIENCE**

**January 2018 – up to present** Ciklum

Position: Data scientist

My tasks and responsibilities:

statistical analysis, predictive modelling, outlier detection, deduplication algorithms development

**August 2004 –** **up to present** Kyiv National Economic University

Position: Associate professor

**March 2019 – up to present** Edu4You

Position: Visiting lecturer,

course taught: Data Analysis (START)

**February 2018 – April 2018** DataBootCamp (Shuttle)

Position: Visiting lecturer,

course taught: Math for Data Science

**October 2001 – August 2004** Taras Shevchenko National University of Kyiv

Position: Research scientist

**LANGUAGE SKILLS**

**English -** upper intermediate

**EDUCATION**

**Ph.D. in Mathematics,** Institute of Mathematics NAS of Ukraine

**Master Degree in Mathematics,** Taras Shevchenko National University of Kyiv, [Faculty of Mechanics and Mathematics](http://mmtest.univ.kiev.ua/uk" \t "_blank)

**COURSES, TRAININGS, CERTIFICATIONS**

*December 2018* – Kyivstar Big Data School (certificate)

*June-July 2017* – Internship in the company EPAM Systems “Teachers Internship” (certificate)

**On-line courses (MOOC):**

*January 2018 - Econometrics* (Высшая школа экономики), Coursera

*December 2017 - Машинное обучение и анализ данных*(специализация из 6 курсов, МФТИ), Сoursera

*November 2017 - Введение в машинное обучение* (Высшая школа экономики, Yandex School of Data Analysis), Coursera

*August 2017 - Machine Learning* (Stanford University), Coursera

*July 2017 - Learn Python*, CodeAcademy

**ADITTIONAL INFORMATION**

**Member of** **Kaggle Competitions:** Avito demand prediction (predict demand for an online classified advertisements), Santander Value Prediction Challenge (Predict the value of transactions for potential customers)

**Member of Analytics Vidhya contests:** the best result is top 3% in AmExpert decipHER – Women Machine Learning Hackathon

**Scientific activity:**

1. Манжос Т.В. Ймовірнісні моделі управління запасами на підприємствах холдингового типу: Монографія // К.: КНЕУ ім. Вадима Гетьмана, 2016. – 265 с.
2. Manzhos T. [A single-period inventory management model with a continuous fuzzy random demand](https://www.researchgate.net/publication/287552221_A_single-period_inventory_management_model_with_a_continuous_fuzzy_random_demand) // Actual problems economics. 2014, #1(151) p.511-518
3. Manzhos T., Melnyk O. Innovation diffusion model with advertising at a segmented market // Actual problems economics. 2016, #4(178) p.401-407
4. Manzhos T., Kulyk A., Fartushny I. Links between manufacturing functions on consumer service enterprises // Economic bulletin of NTTU “KPI”. 2018, #15 p.