

# Aleksandra Butneva

## Curriculum Vitae

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### Academic Career

- since 08/2018 **Bachelor of Arts in Political Science**, *University of Mannheim*, Germany, exp. GPA: 3.8  
Minor subject: Economics
- 06–07/2019 **Seoul International Summer School 2019**, *University of Seoul*, South Korea, GPA: 4.0  
Courses: International Political Economy, Korean language, culture, and society.
- 09/2017–07/2018 **Entrance qualification for German universities**, Marburg, Germany, GPA: 4.0  
Examined in humanities, German literature, and language
- 06/2017 **High School Diploma**, Moscow, Russia, GPA: 4.0  
High school with an intensive German language program

### Professional Experience

- since 10/2020 **Data Science Advisory for Prof. Vera Tröger**  
Consulted Prof. Tröger on issues related to web scraping with R and Python
- since 06/2020 **Research Assistant**, *Mannheim Centre for European Social Research (MZES)*, Mannheim, Germany  
- Participated in the Corona Studies  
- Collected data on political awareness
- since 01/2020 **Research Assistant**, *Chair of Quantitative Methods in the Social Sciences and at the Collaborative Research Centre "Political Economy of Reforms"*, Mannheim, Germany  
- Conducted quantitative text analysis in R  
- Developed topic models for Prof. Thomas Gschwend and Dr. Benjamin Engst
- since 10/2019 **Teaching Assistant**, *Chair of Quantitative Methods in the Social Sciences*, Mannheim, Germany  
- Taught classes in Research Design & Methods (online and in person)  
- Designed lesson plans, prepared materials, and graded exams.
- since 10/2019 **Invited Young Scholar**, *Financial University under the Government of the Russian Federation and Kazan Innovative University*, (online offer)  
- Co-authored articles in the Innovation Management and Telemedicine areas  
- Developed an NLP-implementation based on SpaCy and Stanza in Python  
The program enables better processing of academic Russian language in Python by solving definition and classification problems for telemedical services.

### Internships

- 08/2018 **Intern at the Department for Urban, Regional, and Economic Development**, *City Administration led by Dr. Stefan Blümling*, Marburg, Germany  
- Collected data on economic activities  
- Designed flyers for the city advertising campaign  
- Designed PowerPoint presentations for official events
- 02/2018 **Intern at the Support and Consulting Center for refugees without prior German knowledge**, *Ministry for Education and Culture (Hessen)*, Marburg, Germany  
Taught German language classes for refugees of school-age at German primary schools, the lower secondary level, and vocational/professional schools

### Scholarships and Grants

- since 05/2017 **German Academic Exchange Service (DAAD) Study Scholarship for the best graduates of German Schools abroad**  
Awarded with one of four exclusive scholarships for the pursuit of a Bachelor degree in Germany
- 08/2020-08/2021 **Scholarship of the European Forum Alpbach (EFA) – an Interdisciplinary Platform for Science, Politics, Business, and Culture**  
Discussant & Speaker of the EFA's 75th online conference 2020

- 2020-2021 **One-year scholarship including free membership in The Society for Political Methodology**  
06/2017 **Presidential Grant for outstanding academic performance and winner of the German language competition in Russia**

## Publications

- Butneva, A., Gumerova, G., Shaimieva, E. (2020). Studying the formation of e-health on the basis of e-health Industry 4.0: applying the experience for Russian e-health. Is there an opportunity window for the innovation-guided process integration of e-health in Russia? [English] *International Research Journal*, 9-1 (99). doi: 10.23670/IRJ.2020.99.9.027
- Gumerova, G., Shaimieva, E., Butneva, A. (2020). Enhancing information communication indicators for the development of Russian electronic business model in the e-health system based on process integration in the Industry 4.0. [Russian] *Investitions in Russia*, 9(308), 8-18. ISSN: 0868-5711
- Gumerova, G., Shaimieva, E., Butneva, A. (2020). Deriving indicators of information communication for the development of Russian e-health business model building on process integration in the Industry 4.0. [Russian] *Economic Vector*, 3(22), 30-38. ISSN: 2411-7269
- Gumerova, G., Shaimieva, E., Butneva, A., Rafikova, N. (2020). Waste collection and recycling as cities' social problem. development of social policy based on changes in social mechanisms and use of digital technologies.[Russian] *Public Administration E-Journal*, 81, 233-259. doi: 10.24411/2070-1381-2019-10087
- Gumerova, G., Shaimieva, E., Butneva, A. (2020, February 18-19). Is Russia ready for Industry 4.0? Perspectives of long-term integration of e-health in the Russian Federation considering German experience. [Paper presentation]. [Russian]. In: *Modern Approaches to the Transformation of Concepts of State Administration and Management in Socio-Economic Systems*. 9-th International Scientific-Practical Conference (Russia), Kursk (pp. 139-141). ISBN: 978-5-9907948-3-2

## Patents

- Butneva, A., Gumerova, G., Hüsigg, S., Schewe, G., Shaimieva, E. *Python-based NLP Classifier of medical services in the field of e-health to optimize the interaction among participants of the e-health model*. Patent certificate # 2020667510, issued by the Russian Federal Patenting Service on 24/12/2020.

## Extracurricular Activities

- since 2020 **Board Member**, *CorrelAid: An Independent and Inclusive Non-Partisan Network of Data Scientists*, Mannheim and Heidelberg, Germany  
Conducted interactive visualisation of regional data with R and Python
- since 2019 **Volunteer**, *The German Red Cross*, Department of Migration and Integration, Mannheim, Germany  
Organised German language tutorials and integration workshops for refugees
- since 2018 **Mentor**, *the DAAD Mentoring Program "German schools abroad"*, Baden-Württemberg area, Germany  
- Mentored newly arrived scholarship holders  
- Developed online-platforms for social networking and intercultural exchange

## Conference Participation & Talks (selection)

- 07/2020 **Annual Meeting of the Society for Political Methodology (PolMeth XXXVII)**, Attendee
- 08/10–12/10/2019 **International Conference "Responsibility in Science, Economics, and Culture"**, *Embassy of Germany in cooperation with Hallo Deutschland e.V*, Moscow, Russia  
Held a presentation on startup development guidelines for 2030
- 10/02/2019 **Workshop "Rhetorical and presentation techniques"**, Mannheim, Germany  
Received a professional training in rhetoric and practiced presentation skills
- 04/05–06/05/2018 **The German Academic Exchange Service (DAAD) Scholarship Holders' Official Meeting "Migration – Societies in Transition"**, *the DAAD in cooperation with the University of Osnabrück*, Osnabrück, Germany
- 12/2017 **Workshop "Introduction to broadcasting" by Radio-Unerhört**, Marburg, Germany  
Produced and co-moderated a radio program about international students in Germany
- 2014–2017 **International German-language debating contest "Jugend debattiert international"**, Moscow, Russia  
- Co-organised moderation & rhetoric trainings in Moscow and held workshops for future debaters  
- Worked as a jury member

- 08/06–12/06/2016 **Bilateral Conference “10 Years of the Coordination Office”**, Moscow, Russia  
Co-organised the conference and worked as a volunteer and interpreter for international guests
- 05/2016 **Joint seminar for the winners of national debating tournaments from Ukraine and Russia**,  
*Jugend debattiert international*, Berlin, Germany  
Awarded with a participation scholarship as a winner of Russian final debating rounds

## Computer skills

- Data Analysis Proficiency in R: NLP, Survival Analysis, Advanced Quantitative Text Analysis  
Advanced knowledge of STATA
- Programming Python and Git: Web Scraping, Management of Databases and Servers, SQL, Geocoding
- Document  $\text{\LaTeX}$ , Microsoft Office Suite  
Preparation

## Languages

- Russian native speaker
- English fluent
- German fluent
- Korean basic

## References

**Prof. Thomas Gschwend**  
Chair of Political Science,  
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sity of Mannheim (Germany)  
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the Chair of Political Science,  
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