

VINITA VADER

Currently searching for a Internships in Data Analysis

I am currently a PhD student in Personality Psychology at University of Oregon. My theoretical interests lie in understanding the structure of Personality, Values and Culture. I am interested in using machine learning techniques to build psychological mappings of people across demographics. Psychometrics, building culture specific surveys, and applying quantitative methods to psychological data analysis are some of my other interests.

I am well-versed with data wrangling(`tidyverse`), data visualization (`ggplot2`, `tmap`, `leaflet`) and data modeling (`caret`, `tidymodels`) in R. I am proficient in building reproducible documents (`papaja`, `pagedown`, `RMarkdown`) and also creating accessible outputs such as `flexDashboard`, `reactable` tables, and `Distill` websites. I am proficient in functional programming (`purrr`) and have a keen interest in generative aRt.

These are some of my recent projects:



EDUCATION

- 2014 • **St. Xavier's College (Autonomous), University of Mumbai**
B.A. in Psychology 📍 Mumbai, India

Thesis: Study of interpersonal attraction in adolescents
- 2016 • **Vivekanad College, University of Mumbai**
M.A. in Applied Psychology 📍 Mumbai, India

Thesis: Working Memory Capacity in Caregivers of Alcoholics
- 2017 • **Prafulta Psychological Service**
Post Graduate Diploma in Advanced Skills in Counselling,
📍 Mumbai, India
- 2019
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Current • **University of Oregon**
PhD in Personality Psychology 📍 Eugene, Oregon
- 2020
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2022 • **University of Oregon**
Educational Data Science Specialization [info](#) 📍 Eugene, Oregon
 - [World Values Survey data - Flex dashboard](#)
 - [Tutorial on functional programming](#)
 - [Model Comparison for Hate Speech detection](#)
 - [Quantifying Cultural groups-bookdown](#)

CONTACT INFO

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For more information, please contact me via email.

STATISTICAL AREAS OF EXPERTISE

Machine Learning
(Regression analysis,
Principal Component
analysis, Factor analysis,
Network analysis)

Data Visualization

Advanced skills in R

Intermediate skills in
Python, SQL

*This resume was made with the R
package **[pagedown](#)**.*

Last updated on 2022-03-27.



TEACHING EXPERIENCE

2017-
2018

Mithibai College of Arts, University of Mumbai

Lecturer

📍 Mumbai, India

- Graduate courses: Statistics for Psychology, Dissertation Guide
- Undergraduate courses: Social Psychology, Counseling Psychology, Cognitive Psychology, Industrial Psychology, Experimental Psychology (Practicum and theory)

2018-
2019

University of Mumbai

Visiting Lecturer

📍 Mumbai, India

- Graduate courses: Statistics for Psychology, Psychological Testing and Psychometrics Practicals

2019-
current

University of Oregon

Teaching fellow

📍 OR, USA

- *Sole instructor*
 - Research Methods PSY 303 (Spring 2021)
- *Co instructor*
 - Personality Psychology PSY 307 (Summer 2021)
- *Lab instructor*
 - Statistical Methods PSY 611 (Fall 2021)
 - [Functional programming Lab](#) - this was built for the Graduate Statistics Course I TA'd for in Fall 2021
 - Statistics PSY 302 (Winter 2022)
- *Teaching assistant*
 - Personality Psychology PSY (Fall 2019, Winter 2020, Spring 2020)
 - Cultural Psychology PSY (Fall 2020)
 - Evolutionary Psychology PSY 410 (Spring 2020)
- *Other*
 - R Bootcamp assistant (Summer 2021)



CLINIAL EXPERIENCE

2015

Thane Mental Hospital

Clinial intern

📍 Thane, India

- Mental status examinations
- Assessments - MMPI
- Diagnosis (DSM-5, ICD 10)


2015

Sevadaan Special School

Clinial intern





📍 Mumbai, India




- Mental status examinations
- Assessments - Kamat- Binet Test of Intelligence, VSMS, Seguin-
- Form Board, Children Apperception Test, Diagnosis (DSM-5, ICD 10)

- 2016 ● **Masina Hospital's Drug Rehabilitation Center**
Clinical intern  Mumbai, India
- Mental status examinations
 - Assessments - Rorschach Ink Blot Test, Bender- Gestalt Test,
 - Thematic Apperception Test, BDI
 - Diagnosis (DSM-5, ICD 10)



PUBLICATIONS AND POSTERS

- 2019 ● **Factors affecting Academic Achievement in students : An empirical study - understanding the interaction between creativity, intelligence and academic achievement**
Journal of Education and Planning. 2019; DOI: 10.13140/RG.2.2.32264.88328
Vader, Purohit, and Pandit.
- 2019 ● **What Lies at the Center of Rosenberg Self-Esteem Scale? Network Analysis and Latent Structure of Rosenberg Self-Esteem Scale for Indian Data**
Bombay Psychologist. 2019.
Belhekar, Vader, Korgaonkar, and Dattakavi
- 2019 ● **Note on Sensory Memory**
for Marathi encyclopedia on Psychology (Marathi Vishwakosh)
Vader
- 2019 ● **Acculturation and Personality among Indian students using the NEO-PI-3**
Poster for 2020 American Psychological Association  USA
Heffern, Vader, Belhekar, Mellott
- 2020 ● **Personality Structure in Marathi and English for Maharashtrians: A Psycholexical Investigation**
Paper presentation at Society for Cross Cultural Research Conference (SCCR) 2020  Seattle, USA
Belhekar and Vader
- 2020 ● **MUFFI 2 – A culture sensitive measure of personality based on the Indian context**
Poster presentation at Society for Cross Cultural Research Conference (SCCR) 2020  Seattle, USA
Vader and Belhekar
- 2019 ● **The Five-Factor Model and Cultural dimensions in the Indian Context**
Poster presentation American Psychological Association (2019)  USA
Heffern, Vader, Belhekar, Mellott

- 2018 ● **Using Factor analysis and Network analysis to delineate Personality Structure among Indian College Students**
Poster presentation American Psychological Association (2018)
Heffern, **Vader**, Belhekar, Mellott  USA
- 2017 ● **The Nature of Narcissistic Personality: Role of the FFM, Self-Esteem, Social Desirability and Its Impact on Health**
Paper presentation at the International Conference of Indian Academy of Applied Psychology
Vader and Belhekar  Jaipur, India
- 2017 ● **Implicit and Explicit attitude towards Gender**
Paper presentation (accepted) at Marathi Manasshastra Parishad (translation- Marathi Human studies Conference)
Vader and Belhekar  Pune, India



ONGOING STUDIES

- **High Dimensionality structure of English Language Type-nouns**
Finding the most robust model for type-noun structure in English language
Vader and Saucier
- **Lexical study of Personality and Values of Hindi Language speakers**
Developing a comprehensive dictionary of personality and value relevant words in Hindi and developing a measure for Hindi speakers
Vader and Saucier
- **High Dimensionality structure of Persian Language Adjectives**
Finding the most robust model for adjective structure in Persian language
• PI: Saucier
• Data analysis with R:**Vader**