

# VINITA VADER

## Research statement

I am currently a PhD student in Personality Psychology at University of Oregon. The theoretical premise for my research is that the study of *Culture* underlies the study of *Personality* and *Values*. I am interested in using machine learning techniques to build psychological mappings of people across societies and design a quantifiable model of culture. Psychometrics, building culture specific ( *emic* ) surveys, and applying quantitative methods to design methods for psychological data sets.



## RELEVANT EXPERIENCE

2019  
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Current

### Doctoral Researcher

University of Oregon

📍 Eugene, OR

- MS thesis: High Dimensionality structure of English Language Type-nouns
- Educational Data Science Specialization: Projects designed and executed include [World Value Survey](#), [Tutorial on functional programming](#), [Hate Speech detection](#)
- Research
  - "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
  - "High Dimensionality structure of Persian Language Adjectives" - Finding the most robust model for adjective structure in Persian language
  - "Culture relevant groupings using Values and Personality" (Dissertation topic) - Developing a method to find cultural groups in a society based on thinking patterns. This project focuses on high dimensionality algorithms across cluster analysis, network analysis and PCA to understand the groups that can be formed
- Teaching fellow
  - Undergraduate courses: Research Methods (Sole instructor), Statistics (Lab instructor), Personality (Teaching assistant), Cultural Psychology (Teaching assistant)
  - Graduate courses: [Statistics PSY 611 \(Lab instructor\)](#)
  - [R Bootcamp assistant \(Summer 2021\)](#)

2016  
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2018

### Teaching experience

University of Mumbai

📍 Mumbai, India

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

## CONTACT INFO

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📞 +1 657-252-7501

For more information, please contact me via email.

## STATISTICAL AREAS OF EXPERTISE

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

Data Visualization

Advanced skills in R

Intermediate skills in Python, SQL

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

*Last updated on 2022-03-05.*

2014  
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2016

● **Graduate level Researcher**

M.A. in Applied Psychology

📍 Mumbai, India

- Thesis: Working Memory Capacity in Caregivers of Alcoholics
- Clinical intern - Mental status examinations; Assessments - MMPI, MCMI, Kamat- Binet Test of Intelligence, VSMS, Seguin-Form Board, Children Apperception Test, Rorschach Ink Blot Test; Diagnosis (DSM-5, ICD 10)



## OTHER PUBLICATIONS AND POSTERS (SELECTED)

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

2020

● **Note on Iconic Sensory Memory and 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)

📍 USA

Heffern, **Vader**, Belhekar, Mellott