

Pranav S. Kulkarni

PhD/ Doctoral Researcher

Contact

Utrecht, Netherlands

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[LinkedIn](#) | [ResearchGate](#)

Research Interests

Epidemiology | One health | Veterinary Epidemiology | Farm animal health | Animal health Economics | Evidence based Veterinary Medicine | Biostatistics and Operations research

Education

Ph.D.

Business Economics group,
Wageningen University &
research
Farm animal Health, Dept. of
Population health
(Veterinary medicine), Utrecht
University

01 Oct2019-Present

Expected defense date:

September 2023

M.Sc.

Animal Science, Wageningen
University & research
04 Sept 2016 – 24 August 2018
(Grade: 7.42/10)

Specialization: Animal Breeding
and Genetics

B.V.Sc & A.H.

Maharashtra Animal and Fishery
sciences University, Nagpur,
India

(Veterinary Medicine)

31 August 2010-22 July 2015

(Grade:7.8/10)

Research Experience

October 2019-Present

Doctoral researcher • Wageningen University & Research, Utrecht University
PhD Project: "Optimization of replacement decisions in dairy cattle"

Supervisors: Prof.Dr. Henk Hogeveen, Prof.Dr. Mirjam Nielen, Dr. Monique Mourits, Dr. Wilma Steeneveld

Duties: Research resulting in publications, graduate and undergraduate thesis supervision/ assistance, teaching assistance

May 2018-August 2018

M.Sc. Minor thesis • Quantitative Veterinary Epidemiology group, Wageningen University & Research (4 months: 24 ECTS)

Title: "Simulation of density dependent and frequency dependent transmission of environmental pathogens"

Supervisor: Prof. Dr. Mart de Jong

December 2017-May 2018

M.Sc. Major thesis • Animal Breeding and genetics group, Wageningen University & Research (6 months: 36 ECTS)

Title: "Genetic-epidemiology of Digital dermatitis in Dutch dairy cattle"

Supervisor: Dr. Piter Bijma

September 2017-November 2017

Research Masters Cluster • Animal Sciences, Wageningen University & Research Training objectives: Writing grant proposals, formulating project objectives, pitching and brainstorming doctoral thesis ideas

2011-2015

Undergraduate research assistant • Dept. of Animal Genetics and Breeding, KNP College of Veterinary Sciences, Maharashtra.

Supervisor: Dr. Tejas Shende

Positions

October 2019-Present

Doctoral researcher • Early-stage contract researcher • 4 years, 1.0 FTE • Joint contract Wageningen University & Research, Utrecht University

October 2018-August 2019

Biostatistics consultant/ Vet consultant • Part-time consultancy • Omega Pathology Labs, India

August 2015-August 2016

Private Veterinary Practitioner • Large Ruminants • Self-Employed Licensed Veterinary Ambulatory service in state of Maharashtra, India

Key Skills

Regression models, survival analysis (AFT, Proportional hazards, Parametric models), Logistic models for classification, supervised learning

Herd simulation, dynamic programming, Markov Decision process, Monte Carlo simulations, Online survey

Memberships/ other activities

Open Science Community Utrecht, Book club- Bayesian Statistics and Modelling Utrecht, Blog writer- Academic Transfer, VSD organizing committee

Publications

Kulkarni PS, Mourits M, Nielen M and Steeneveld W (2023) Associations between dairy farm performance indicators and culling rates under policy-driven herd size constraints. *Front. Vet. Sci.* 10:1062891. [DOI](#)

P Kulkarni, M Mourits, M Nielen, J van den Broek, W Steeneveld, (2021) Survival analysis of dairy cows in the Netherlands under altering agricultural policy, *Preventive Veterinary Medicine* 193, [DOI](#)

PS Kulkarni, F Biemans, MCM de Jong, P Bijma, (2021) On the origin of the genetic variation in infectious disease prevalence: Genetic analysis of disease status versus infections for Digital Dermatitis in Dutch dairy cattle, *Journal of Animal Breeding and Genetics* 138 (6), 629-642, [DOI](#)

TC Shende, PS Kulkarni, P Pawar, (2017) Genotyping of HF Crossbred cattle for Beta-Casein genes using PCR-RFLP, *Indian Research Journal of Extension Education*, 105-107, [PDF](#)

[Conference proceedings]

PS Kulkarni, M Mourits, M Nielen, J van den Broek, W Steeneveld, Survival analysis to study replacement strategy of Dutch dairy farmers over 10 years with varying agricultural policies (SVEPM 2021, Proceedings of the Society for Veterinary Epidemiology and Preventive Medicine annual meeting) ISBN 978-0-948073-60-1, [PDF](#)

Conferences

1. SVEPM 2021, Toulouse, France/ Online
Oral Presentation: Survival analysis to study replacement strategy of Dutch dairy farmers over 10 years with varying agricultural policies
Bursary Award Winner
2. ISVEE 2022, Halifax, Canada
Oral presentation: Impact of changes in National agricultural policy on the survival of Dutch dairy cows ([DOI](#))
3. ISESSAH/ ISVEE 2022, Halifax, Canada
Poster presentation: Survey study: Dutch dairy farmers' perspective on culling reasons and strategies ([DOI](#))
4. VEEC Study Day 2022, Wageningen, the Netherlands
Oral presentation: Dutch dairy farmers' perspectives on culling reasons and strategies ([DOI](#))

Tools and Software

R, IBM-SPSS™, SAS, Bash shell, Qualtrics™, ASREML-w