Ana Carolina Lopes Antunes - DTU Orbit (31/03/2019)
Lopes Antunes, Ana Carolina
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National Veterinary Institute - Postdoc
Epidemiology

Research outputs:

Outcomes From Using Mortality, Antimicrobial Consumption, and Vaccine Use Data for Monitoring Endemic Diseases in Danish Swine Herds
Lopes Antunes, A. C., Jensen, V. F. & Toft, N. 2019 In : Frontiers in Veterinary Science. 6, 12 p., 41
Research output: Research - peer-review › Journal article – Annual report year: 2019

Building the foundation for veterinary register-based epidemiology: A systematic approach to data quality assessment and validation
Research output: Research - peer-review › Journal article – Annual report year: 2018

Can we detect outbreaks at herd-level earlier when combining multiple data sources?
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2018

A simulation study to evaluate the performance of five statistical monitoring methods when applied to different time-series components in the context of control programs for endemic diseases
Research output: Research - peer-review › Journal article – Annual report year: 2017

Mortality in Danish Swine herds: Spatio-temporal clusters and risk factors
Research output: Research - peer-review › Journal article – Annual report year: 2017

Risk factors associated with spatio-temporal clusters of high mortality in Danish swine herds
Lopes Antunes, A. C., Ersbøll, A., Bihrmann, K. & Toft, N. 2017
Research output: Research - peer-review › Poster – Annual report year: 2017

Risk factors associated with spatio-temporal clusters of high mortality in Danish swine herds
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

What tools are useful for monitoring endemic diseases? A simulation study based on different time-series components.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Comparing algorithms performance for monitoring endemic disease: a simulation study based on the Danish PRRSV monitoring program
Lopes Antunes, A. C., Dorea, F., Hisham Beshara Halasa, T. & Toft, N. 2016 Book of abstracts from the 24th International Pig Veterinary Society (IPVS) Congress. Dublin, Ireland, p. 542-542 1 p. PO-PW1-128
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Comparing algorithms performance for monitoring endemic disease: a simulation study based on the Danish PRRSV monitoring program
Lopes Antunes, A. C., Dorea, F., Hisham Beshara Halasa, T. & Toft, N. 2016 1 p.
Research output: Research - peer-review › Poster – Annual report year: 2016

Dynamic generalized linear models for monitoring endemic diseases: moving beyond univariate process monitoring control algorithms
Research output: Research › Article in proceedings – Annual report year: 2016

Monitoring diseases based on register data: Methods and application in the Danish swine production
Lopes Antunes, A. C. 2016 Frederiksberg C: National Veterinary Institute, Technical University of Denmark. 44 p.
Research output: Research › Ph.D. thesis – Annual report year: 2017

Monitoring endemic livestock diseases using laboratory diagnostic data: A simulation study to evaluate the performance of univariate process monitoring control algorithms
Lopes Antunes, A. C., Dorea, F., Hisham Beshara Halasa, T. & Toft, N. 2016 In : Preventive Veterinary Medicine. 127, p. 15-20
Research output: Research - peer-review › Journal article – Annual report year: 2016

Monitoring PRRS using laboratory data
Lopes Antunes, A. C. 2016 Book of presentations of the 3rd CPH Pig seminar: Up to date with pig research. Copenhagen University, p. 35-37
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

What to look for when monitoring animal diseases?
Research output: Research - peer-review › Poster – Annual report year: 2016

Monitoring PRRS based on laboratory submissions: a simulation study to evaluate detection algorithms performance
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Monitoring PRRS based on laboratory submissions: A simulation study to evaluate detection algorithms performance.
Lopes Antunes, A. C., Dorea, F., Hisham Beshara Halasa, T. & Toft, N. 2015 1 p.
Research output: Research - peer-review › Poster – Annual report year: 2015

Monitoring PRRS sero-prevalence in Danish breeding herds: Evaluation of algorithms performance
Lopes Antunes, A. C., Dorea, F., Hisham Beshara Halasa, T. & Toft, N. 2015 1 p.
Research output: Research - peer-review › Poster – Annual report year: 2015

Spatial analysis and temporal trends of porcine reproductive and respiratory syndrome in Denmark from 2007 to 2010 based on laboratory submission data
Research output: Research - peer-review › Journal article – Annual report year: 2015

Swine production on Maio Island, Cape Verde: a household survey
Research output: Research - peer-review › Journal article – Annual report year: 2016

The dog and cat population on Maio Island, Cape Verde: characterisation and prediction based on household survey and remotely sensed imagery
Estimation and characterization of the dog and cat population on Maio Island, Cape Verde: an integration of household survey data and remote sensing imagery  
Lopes Antunes, A. C., Ducheyne, E., Bryssinckx, W., Vieira, S., Malta, M., Vaz, Y., Nunes, T. & Mintiens, K. 2014

Estimativa e caracterização da população de cães e gatos na Ilha do Maio, Cabo Verde: Integração entre dados de um recenseamento e imagens de deteção remota  

Opportunities and challenges of using diagnostic databases for monitoring livestock diseases in Denmark  
Lopes Antunes, A. C., Hisham Beshara Halasa, T. & Toft, N. 2014

Opportunities and challenges of using diagnostic databases for monitoring livestock diseases in Denmark  

Swine production on Maio Island, Cape Verde: rearing systems and animal health  
Lopes Antunes, A. C., Vieira, S., Malta, M., Nunes, T. & Vaz, Y. 2014

Swine production on Maio Island, Cape Verde: rearing systems and animal health  

Projects:

Disease databases  
Lopes Antunes, A. C., Jensen, V. F. & Toft, N.  
01/01/2017 → 31/12/2019  
Project: Research

Veterinary Epidemiology with focus on monitoring livestock disease using diagnostic databases  
Lopes Antunes, A. C., Toft, N., Hisham Beshara Halasa, T., Jensen, V. F., Revie, C. W. & Mortensen, S.  
Offentlig finansiering  
15/12/2013 → 26/04/2017  
Project: PhD
Activities:

Translating danish pig big data into useful data for monitoring diseases
Lopes Antunes, A. C. (Invited speaker)
9 Oct 2018
Activity: Talks and presentations › Conference presentations

High Quality Pork LATAM 2018
Lopes Antunes, A. C. (Guest lecturer)
13 Aug 2018 → 15 Aug 2018
Activity: Talks and presentations › Conference presentations

Can we detect outbreaks at herd-level earlier when combining multiple data sources?
Lopes Antunes, A. C. (Guest lecturer)
16 May 2018 → 18 May 2018
Activity: Talks and presentations › Conference presentations

Interactive, web-based health data visualisation with RStudio Shiny
Lopes Antunes, A. C. (Participant)
26 Mar 2018 → 28 Mar 2018
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

What to look for when monitoring endemic disease? Translating large volumes of data into valuable data for disease surveillance
Lopes Antunes, A. C. (Invited speaker)
5 Mar 2018
Activity: Talks and presentations › Conference presentations

Risk factors associated with spatio-temporal clusters of high mortality in Danish swine herds
Lopes Antunes, A. C. (Guest lecturer)
4 Oct 2017
Activity: Talks and presentations › Conference presentations

How can we improve public health, food hygiene, and animal welfare in developing country slaughterhouses?
Lopes Antunes, A. C. (Organizer)
3 Oct 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

ECVPH AGM & Annual Scientific Conference 2017
Lopes Antunes, A. C. (Organizer)
2 Oct 2017 → 4 Oct 2017
Activity: Attending an event › Participating in or organising a conference

Modelling of disease spread
Lopes Antunes, A. C. (Participant)
5 Jun 2017 → 23 Jun 2017
Activity: Other

International Conference in Animal Health Surveillance 3
Lopes Antunes, A. C. (Speaker)
1 May 2017 → 4 May 2017
Activity: Talks and presentations › Conference presentations
What tools are useful for monitoring endemic diseases? A simulation study based on different time-series components.
Lopes Antunes, A. C. (Speaker)
1 May 2017 → 4 May 2017
Activity: Talks and presentations › Conference presentations

PhD boot camp - scientific writing
Lopes Antunes, A. C. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

24th International Pig Veterinary Society (IPVS) Congress
Lopes Antunes, A. C. (Participant)
7 Jun 2016 → 10 Jun 2016
Activity: Attending an event › Participating in or organising a conference

University of Southern Denmark
Lopes Antunes, A. C. (Visiting researcher)
Apr 2016 → Jun 2016
Activity: Visiting an external institution › Visiting another research institution

Dynamic generalized linear models for monitoring endemic diseases: moving beyond univariate process monitoring control algorithms.
Lopes Antunes, A. C. (Speaker)
17 Mar 2016
Activity: Talks and presentations › Conference presentations

Annual Conference of The Society for Veterinary Epidemiology and Preventive Medicine 2016
Lopes Antunes, A. C. (Participant)
16 Mar 2016 → 18 Mar 2016
Activity: Attending an event › Participating in or organising a conference

SVEPM 2016 Poster Prize
Lopes Antunes, A. C. (Other)
16 Mar 2016 → 18 Mar 2016
Activity: Talks and presentations › Conference presentations

Trace back and trace forward in foodborne outbreak investigation
Lopes Antunes, A. C. (Participant)
16 Mar 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Monitoring PRRS using laboratory data
Lopes Antunes, A. C. (Speaker)
3 Feb 2016
Activity: Talks and presentations › Conference presentations

Up to date with Pig Research
Lopes Antunes, A. C. (Speaker)
3 Feb 2016
Activity: Talks and presentations › Conference presentations

International trade of animal source foods from low income countries
Lopes Antunes, A. C. (Participant)
8 Oct 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Annual General Meeting of the European College of Veterinary Public Health 2015
Lopes Antunes, A. C. (Participant)
7 Oct 2015 → 9 Oct 2015
Activity: Attending an event › Participating in or organising a conference

Food and Agriculture Organization of the United Nations (FAO) Participatory Epidemiology Forum
Lopes Antunes, A. C. (Participant)
Oct 2015 → …
Activity: Other

Training School on Big Data and Data Warehousing
Lopes Antunes, A. C. (Participant)
27 Aug 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Introduction to Bayesian Disease Mapping
Lopes Antunes, A. C. (Participant)
29 Jun 2015 → 3 Jul 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Syndromic surveillance using free tools
Lopes Antunes, A. C. (Participant)
19 May 2015 → 22 May 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Conference in pig welfare
Lopes Antunes, A. C. (Participant)
29 Apr 2015 → 30 Apr 2015
Activity: Attending an event › Participating in or organising a conference

Annual Conference of The Society for Veterinary Epidemiology and Preventive Medicine
Lopes Antunes, A. C. (Participant)
25 Mar 2015 → 27 Mar 2015
Activity: Attending an event › Participating in or organising a conference

Introduction to the Interactive visualisation of surveillance data with Google maps and Charts
Lopes Antunes, A. C. (Participant)
25 Mar 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Symposium: Animal Health Surveillance 2.0 RISKSUR
Lopes Antunes, A. C. (Participant)
24 Mar 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

National Veterinary Institute Sweden
Lopes Antunes, A. C. (Visiting researcher)
Feb 2015 → Mar 2015
Activity: Visiting an external institution › Visiting another research institution

Epidemiological analysis of clustered data – with emphasis on veterinary applications
Lopes Antunes, A. C. (Participant)
15 Jan 2015 → 4 Feb 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Spatial and Temporal Statistical Modelling for Population Health Sciences Course
Lopes Antunes, A. C. (Participant)
24 Nov 2014 → 28 Nov 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

8th Annual Meeting of Epizone
Lopes Antunes, A. C. (Participant)
23 Sep 2014 → 25 Sep 2014
Activity: Attending an event › Participating in or organising a conference

Workshop on Communication
Lopes Antunes, A. C. ( Participant)
23 Sep 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

1st Dairy Care Conference
Lopes Antunes, A. C. (Participant)
22 Aug 2014 → 23 Aug 2014
Activity: Attending an event › Participating in or organising a conference

2nd International Conference on Animal Health and Surveillance
Lopes Antunes, A. C. (Participant)
7 May 2014 → 9 May 2014
Activity: Attending an event › Participating in or organising a conference

Data mining and knowledge discovery – an introductory course with focus on veterinary epidemiology applications
Lopes Antunes, A. C. (Participant)
4 May 2014 → 6 May 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

VI Congresso da Sociedade Portuguesa de Ciências Veterinárias
Lopes Antunes, A. C. (Participant)
3 Apr 2014 → 5 Apr 2014
Activity: Attending an event › Participating in or organising a conference

How to estimate the risk of exotic disease incursion
Lopes Antunes, A. C. (Participant)
26 Mar 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

SVEPM Annual Meeting 2014
Lopes Antunes, A. C. (Participant)
26 Mar 2014 → 28 Mar 2014
Activity: Attending an event › Participating in or organising a conference

Euraxess Career Roadshow
Lopes Antunes, A. C. (Participant)
11 Mar 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Up to date with pig research
Lopes Antunes, A. C. (Participant)
29 Jan 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Prizes:

**InnovSurv 2018 Poster prize**  
Ana Carolina Lopes Antunes (Recipient), 18 May 2018  
Prize: Prizes, scholarships, distinctions

**MSD Animal Health names 2018 High Quality Pork Ph.D. award**  
Ana Carolina Lopes Antunes (Recipient), 2018  
Prize: Prizes, scholarships, distinctions

**Roberto Chizzoline Memorial Poster Award 2017**  
Ana Carolina Lopes Antunes (Recipient), 4 Oct 2017  
Prize: Prizes, scholarships, distinctions

**YOUNG EPIZONE Poster Prize**  
Ana Carolina Lopes Antunes (Recipient), 24 Sep 2014  
Prize: Prizes, scholarships, distinctions

Press clippings:

**Ana Carolina Antunes: a veterinária apaixonada por big data e data science**  
Ana Carolina Lopes Antunes  
13/02/2019  
1 media contribution  
Press/Media: Press / Media

**Vandt pris med forenklede beskrivelser og flot design**  
Ana Carolina Lopes Antunes  
02/01/2018  
1 item of media coverage  
Press/Media: Press / Media

**Uudforskede data giver ny viden om svins dødelighed**  
Ana Carolina Lopes Antunes  
19/12/2017  
1 item of media coverage  
Press/Media: Press / Media