
Workshop on “Recent Advances in Quantile and M-quantile Regression”

under the auspices of the *Italian Statistical Society* (SIS)

July 15, 2016

University of Pisa

Botanic Garden (Aula Savi) - via Paolo Buoizzi 3

Programme:

- 8.30** Registration opening
- 8.50** Workshop opening
- 9:00-9:40** *Regression modeling of geometric rates*
Matteo Bottai (Institute of Environmental Medicine, Karolinska Institutet)
- 9:40-10:20** *What if...? Robust Prediction Intervals for Unbalanced Samples*
Ray Chambers (NIASRA, University of Wollongong)
- 10:20-10:50** *On the L_p -quantiles for the Student t distribution*
Mauro Bernardi (Università di Padova), Valeria Bignozzi (Sapienza Università di Roma), Lea Petrella (Sapienza Università di Roma)
- 10:50-11:15** Coffee break
- 11:15-11:45** *Handling heterogeneity among units in Quantile Regression*
Cristina Davino (Università di Macerata), Domenico Vistocco (Università di Cassino e del Lazio Meridionale)
- 11:45-12:15** *Finite mixtures of quantile and M-quantile regression models*
Marco Alfò (Sapienza Università di Roma), M. Giovanna Ranalli (Università degli Studi di Perugia), Nicola Salvati (Università di Pisa)
- 12:15-12:45** *Statistical modelling of gained university credits to evaluate the role of pre-enrolment assessment tests: An approach based on quantile regression for counts*
Leonardo Grilli (Università di Firenze), Carla Rampichini (Università di Firenze), Roberta Varriale (ISTAT, Roma)
- 12:45-14:00** Lunch
- 14:00-14:40** *Estimation and Testing in M-quantile Regression with application to small area estimation*
Nikos Tzavidis (Social Statistics & Demography, University of Southampton)
- 14:40-15:10** *Parametric modeling of quantile regression coefficient functions with censored and truncated data*
Paolo Frumento (Karolinska Institutet)
- 15:10-15:40** *An alternative approach to M-quantiles for binary data with extensions to categorical data*
James Dawber (NIASRA, University of Wollongong)
- 15:40-16:10** *Bayesian inference for generalised quantile regression models*
Mauro Bernardi (Università di Padova), Valeria Bignozzi (Sapienza Università di Roma), Lea Petrella (Sapienza Università di Roma)
- 16:10-16:30** Coffee break
- 16:30-17:00** *Measuring Efficiency in a Spatial Context Through Quantile Regression*
R. Benedetti (Università G. D'Annunzio di Chieti-Pescara), A.G. Billé (Università Tor Vergata Roma), F. Piersimoni (ISTAT), C. Salvioni (Università G. D'Annunzio di Chieti-Pescara)
- 17:00-17:30** *A Unit-level Quantile Nested Error Regression Model for Domain Prediction*
Timo Schmid (Freien Universität Berlin), Nikos Tzavidis (Social Statistics & Demography, University of Southampton), Nicola Salvati (Università di Pisa), Beate Weidenhammer (Freien Universität Berlin)
- 17:30-18:00** *Semiparametric M-quantile modeling for indoor radon concentration*
Antonella Carcagnì, Riccardo Borgoni (Università di Milano Bicocca)
- 18:00-18:15** Conclusions

Scientific and Organizing Committee

R. Chambers (University of Wollongong), C. Davino (Università di Macerata), E. Fabrizi (Università Cattolica del Sacro Cuore), C. Giusti (Università di Pisa), G. Marchetti (Università di Pisa), L. Petrella (Sapienza Università di Roma), N. Salvati (Università di Pisa), D. Vistocco (Università di Cassino e del Lazio meridionale)

Participation to the workshop is free but registration before June 15th will be appreciated.

ACCOMODATION

We recommend workshop participants to book the hotel as soon as possible as there might be other concurrent events in Pisa during the dates of the workshop. The following hotels offer special rates to participants of events organized at the University of Pisa (UoP). Please do ask for them when booking. Hotels close to the conference venue include (all within walking distance – max 15 min):

- **RESIDENCE LE BENEDETTINE** Lungarno Sidney Sonnino
18 www.residence.pi.it <http://en.residence.pi.it/> This is UoP Official Guesthouse. Excellent location, but note that this hotel does not offer breakfast.
- **HOTEL REPUBBLICA MARINARA** Via Matteucci, 81 – 56125 Pisa Tel. 050.3870100 Fax 050.3870200 <http://www.hotelrepubblicamarinara.it/> info@hotelrm.it
- **HOTEL DI STEFANO** Via S. Apollonia, 35 – 56127 Pisa Tel. 050.553559 Fax 050.556038 <http://www.hoteldistefano.it/> hds@email.it
- **HOTEL ROMA** Via Bonanno, 111 – 56126 Pisa Tel. 050.554488 Fax 050.550164 <http://www.hotelroma.pisa.it/> info@hotelroma.pisa.it
- **HOTEL ROYAL VICTORIA** Lungarno Pacinotti, 12 – 56126 Pisa Tel. 050.940111 Fax 050.940180 <http://www.royalvictoria.it/> mail@royalvictoria.it
- **HOTEL VERDI** Piazza della Repubblica, 5 – 56125 Pisa Tel. 050.598947 Fax 050.598944 <http://www.verdihotel.it/> hotelverdi@sirius.pisa.it
- **HOTEL BOLOGNA** Via Mazzini, 57 – 56125 Pisa Tel. 050.502120 Fax 050.43070 <http://www.hotelbologna.pisa.it/> info@hotelbologna.pisa.it

However, booking online with some advance is often cheaper, and you could also choose among nice B&B and other hotels. We recommend to book a hotel that is in the city center. Before booking a room, please check Tripadvisor for the best

options: http://www.tripadvisor.com/Hotels-g187899-Pisa_Province_of_Pisa_Tuscany-Hotels.html

Check also Airbnb (Pisa): <https://www.airbnb.it/s/Pisa-Italia> and Couchsurfing www.couchsurfing.com/!

See also, **ARTY HOLIDAYS** <http://www.artyholidayhomes.com/>

USEFUL LINKS

Pisa Buses <http://www.cpt.pisa.it/> International Airport Galileo Galilei <http://www.pisa-airport.com/> Railway Station <http://www.trenitalia.com/>

We sincerely hope that you will join us and share a fruitful moment of discussion.

All the best,

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