Editorial

It is a pleasure to issue volume 6 number 2 of **CSBIGS (Case Studies in Business, Industry and Government Statistics)**. CSBIGS is now affiliated and hosted by the French Statistical Association **SFDS** and we are grateful for its support.

As usual according to the CSBIGS policy, this issue gives you a chance to work with the data sets kindly provided by the authors. This issue comprises four papers.

Cucala and Demattei propose a pedagogical introduction to the scan statistics for cluster detection. They illustrate it with two nice applications. The first one analyzes clusters of the share of public housing in the French departments and the second one clusters of the number of votes for François Hollande in the 2012 presidential election in France.

Quinn, Schumacher and Olinsky take advantage of the publication of a database by the Centers for Medicare and Medicaid Services (CMS) to describe the relationship between covered charges and Medicare reimbursements. They also fit Benford's law to the distribution of these two variables, taking into account the fact that there are some missing data.

Motivated by the analysis of the French ELFE survey, Juillard allows the reader to differentiate between two survey designs: the two-stage design and the cross-classified sampling design. The sampling designs and estimation steps code are provided in three languages: R, SAS and Stata. A simulation illustrates the techniques.

Finally, the last paper is a first of its kind in CSBIGS since it is not accompanied by datasets but by movies. Bressaud presents a probabilistic model for motorbikes and pedestrians crossing the streets of a Vietnamese city, Ho Chi Minh. The model is illustrated by continuous time simulations with particular outcomes presented in small movies. A real movie is also attached for comparison purposes. Whoever has crossed the street in Vietnam will immediately appreciate the relevance of these models.

I would like to thank again the members of the editorial board and the reviewers for their hard work and all the authors for their contribution. Would you like to join this team, please send me a vitae with your themes of expertise in statistics. We look forward to hearing from you soon.

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