An introduction to personal networks analysis and visualizations with VennMaker

## 1. Goals and methodology

1. To introduce students to social network analysis and personal network analysis
2. Provide a hands-on experience with examining personal network data
3. Learn about network visualizations

## 2. Professorship

* Romina Cachia
* Isidro Maya Jariego
* Ignacio Ramos Vidal

## 3. Syllabus

* **Social Network Analysis I (Romina Cachia – University of Seville and University of Malta)**

The contents of the course consist of

(a) introduction to network analysis,

(b) the study of personal networks,

(c) social support dimensions,

(d) VennMaker for network visualization and analysis, and

(e) the case of foreigners living in Seville: patterns of transnational mobility and personal networks.

(f) Organizational Networks Analysis

(g) Practices: Unicet y Visone

Also a reference to mixed methods, social networks and community interventions will be made:

Network analysis has emerged as a very successful methodology in the context of research and community action. It is used to monitor the implementation of peer education programs, the use of the multiplier effect of community health workers, and information campaigns, among others. In many cases, network analysis is used as part of mixed designs, combined with ethnography, participant observation, participatory assessments, community forums and other qualitative strategies. However, we need to systematize the list of network innovations that are emerging in community intervention arena. This requires seeing it from the standpoint of the intervention process, without reducing it to a strictly methodological implementation of network techniques.

Budget: 20 hours x 50 Euros per hour = 1.000 Euros

Schedule: 14th - 18th November 2016, 9 -14 hours

## 3. Bibliography

*Required reading:*

Maya-Jariego, I., Holgado, D. & Molina, J. L. (Eds.) (2014). *7 lecturas para iniciarse en el análisis de redes sociales*. Bubok: Madrid. ISSN: 2385-4626. DOI**:** 10.13140/2.1.4616.2882

*Reading list:*

Bidart, C., & Charbonneau, J. (2011). How to Generate Personal Networks: Issues and Tools for a Sociological Perspective. *Field Methods, 23*(3), 266-286.

Bidart, C., & Degenne, A. (2005). Editorial: Introduction: The dynamics of personal networks. *Social Networks*(27), 283-287.

Borgatti, S, M. Everett & J. Johnson (2013). Analyzing Social Networks. Sage.

Chua, V., Madej, J., & Wellman, B. (2009). Personal communities: The world according to me. Retrieved from: http://groups.chass.utoronto.ca/netlab/wp-content/uploads/2012/05/Personal-Communities-The-World-According-to-Me-Extended-Version.pdf

Domínguez, S., & Maya-Jariego, I. (2008). Acculturation of Host Individuals: Immigrants and Personal Networks. *American Journal of Community Psychology, 42*(3), 309-327.

Fischer, C. S. (1982). *To dwell among friends: Personal networks in town and city*. Chicago: Chicago U P.

Duncan J. Watts.  2003.  *Six Degrees:  The Science of a Connected Age*.  New York: W.W. Norton and Company.

Granovetter M, 1973. 'The Strengh of Weak Ties' en *American Journal of Sociology*, 78.

Grossetti, M. (2005). Where do social relations come from? A study of personal networks in the Toulouse area of France. *Social Networks, 27*(4), 289-300.

Hanneman, Robert and Mark Riddle.  2005.  Introduction to Social Network Methods. Retrieved from: <http://faculty.ucr.edu/~hanneman>

Hogan, B., Carrasco, J. A., & Wellman, B. (2007). Visualizing Personal Networks: Working with Participant-aided Sociograms. *Field Methods, 19*, 116-144.

Marin, A., & Hampton, K. N. (2007). Simplifying the Personal Network Name Generator. *Field Methods,*

Marin, A. Wellman, B., 2011). Social networks Analysis: an introduction. *CONNECTIONS* 23(1): 20-31, Toronto.

Maya-Jariego, I. (2016). 7 usos del análisis de redes en la intervención comunitaria. *REDES. Revista Hispana para el Análisis de Redes Sociales, 27*, (2),1-10.

Maya-Jariego, I., & Holgado, D. (Eds.) (2015). Network analysis for social and community interventions (Special Issue). *Psychosocial Intervention, 24*.

McCallister, L., & Fischer, C. S. (1978). A Procedure for Surveying Personal Networks. *Sociological Methods & Research, 7*(2), 131-148.

McCarty, C., Molina, J. L., Aguilera, C., & Rota, L. (2007). A comparison of social network mapping and personal network visualization. *Field Methods, 19*(2), 145-162.

McCarty, C., & Molina, J. L. (Eds.). (forthcoming). *Personal Networks: Research and Applications*. Retrieved from: <http://grupsderecerca.uab.cat/egolab/sites/grupsderecerca.uab.cat.egolab/files/pna.pdf>

Milgram, S. (1967). The small world problem. *Pscyhology Today, 1*, 62-67.

Scott, J. (1991). *Social network analysis : a handbook*. London: Sage.

Wellman, B. 2009. ­'The Network community: An Introduction'. *Critiques*. Retrieved from: http://social.cs.uiuc.edu/class/cs498kgk/assignments/03.03.09/das10.pdf

Software:

Borgatti, S.P., Everett, M.G. and Freeman, L.C. 2002. Ucinet for Windows: Software for Social Network Analysis. Harvard, MA: Analytic Technologies.  Download free software from:  <http://www.analytictech.com/ucinet.htm>

Schönhuth, M., Kronenwett, M., Gamper, M., & Stark, M. (2012). Vennmaker, Trier: http://www.vennmaker.com. Download free software from:  http://www.vennmaker.com

## 4. Evaluation

## Practical exercises with VennMaker, during the sessions.

* Presentation of communications in the final workshop is optional.