Brief CV

Name	Javier Fernando Botía Valderrama	中文名		
Gender	Male	**Title** (Pro./Dr.)	Dr.	
Position （President…）	Lecturer	**Country/ Region**	Colombia/Medellin	
University/ Department	University of Antioquia/ Systems Engineering Deparment			
Personal Website	https://www.researchgate.net/profile/Javier_Botia_Valderrama			
Research Area	Unsupervised Learning, Fuzzy Clustering, Fuzzy Extensions			

Brief introduction of your research experience:

In the research field, I have collaborated as a young researcher in two research groups, GEPAR and GITA, at the University of Antioquia, Medellín, Colombia. During my research experience, I investigated in fuzzy clustering and fuzzy cellular automata but I extended the algorithms development in real applications such as fault detections in industrial processes and optical communications systems.

Currently, I belong to Systems Engineering Department at University of Antioquia, Medellín, Colombia. In systems engineering department, I have proposed new algorithms for LAMDA or Learning Algorithm for Multivariable Data Analysis, when LAMDA operates in self-learning mode. In addition, I have defined novel cluster validity measures for the LAMDA algorithm through fuzzy covariance measures and the granulation error

On the other hand, my research experience is also focused on software solutions for Ruta N (an innovation center located in Medellin, Colombia). By means of Ruta N and University of Antioquia, two software platforms have been developed in the last two years such as a chatbot system based on IBM Watson and APIs development and a single project window system.

 *****All the columns need to be filled in.