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# **DATA VISUALIZATION AND VISUAL ANALYTICS**

## VAST Challenge 2008: Paraiso Manifesto

- The **Paraiso Manifesto** is a sociopolitical manifesto written by **Ferdinando Catalano** in 2002 establishing a new social order asserting the supreme authority of the male in a family unit, and the autonomy of families over government. It was published on 25 July 2002 by El Tiempo Press, located on the Caribbean Isla del Sueno.

- The Manifesto describes Catalano's beliefs in fine detail. It is believed the 2000-page document is partially modeled after the Montecristo Manifesto written 100 years earlier. The main tenets of the Manifesto are:
  - • A man is the autonomous leader of his Household and is the ultimate authority for governing his family
  - • Governments exist to provide social services for families and infrastructure for the country, but has no authority over the Head of the House
  - • Disputes between Houses should be settled between the Heads of the Family themselves, with no interference from the government or police
  - • Medical professionals are not allowed to treat about any Household member without the express permission from the Head of the House; medicines such as antibiotics and vaccines are explicitly forbidden
  - • Female children are to be educated at home
- Claiming enlightenment, Catalano envisions the Paraiso Manifesto to be the core of a family-centered society, to include a section of the Manifesto dedicated to the education of children. Among the two most quoted lines from the manifesto are "No government will save us; we must save ourselves, God willing" and "The Family must be responsible for what it is and what it will become."
- The Manifesto has been endorsed by Circulo Familiar, a family advocacy group based on the island.

# Challenge 1: The Paraiso Wiki Edit Page

- The Paraiso movement is controversial and is having considerable social impact in a specific area of the world. We have extracted a segment of the *Paraiso (the movement)* Wikipedia edits page. Please note this is not the *Paraiso Manifesto* Wiki page which is part of the overview, a related but different page. Please use visual analytics to describe the social relationships of the editors as they are reflected in these files.
- Question:
  - What are the factions represented in these edit pages? In other words, describe the individuals or groups that edit the pages with regard to any agendas and goals you hypothesize.

## Challenge 2: The Isla del Sueno Migrant Boats

- This data is comprised of records concerning the mass movement of persons departing Isla Del Sueño for the United States during 2005 - 2007. This activity was precipitated by the Isla Del Sueño government crackdown on the Paraiso social and religious movement which had been gaining popularity there. The dataset includes not only interdiction records collected by the United States Coast Guard, but information from other sources about illegal landings.

## Challenge 2: The Isla del Sueno Migrant Boats

- For the mini-challenge please address:
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- How would you characterize the choice of landing sites over the three years?
- How would you geographically characterize the interdiction patterns over the three years?
- What are the vessels of choice used by the migrants over the three years?
- What is the successful landing rate over the time period?
- What is the death rate on voyages?
- Are there any of the characters of interest in this data?

## Challenge 3: Cell Phone Calls

- These cell phone call records cover a ten-day period in June 2006, and were narrowed to about 400 unique cell phones during this period. The records should provide critical information about the Catalano social network structure. Please use visual analytic approaches to characterize the social network structure.

## Challenge 4: Evacuation of Building

- In August 2007, a small improvised explosive device was set off at a Miami, Florida Department of Health (DOH) Building, resulting in casualties and moderate damage. This DOH branch has recently been involved in conflicts with local Paraiso religious groups over the attempts by DOH to provide medical care to Paraiso children in public schools and other public facilities.
- It is suspected that Paraiso supporters were involved in the DOH bombing. Paraiso leaders have publicly denied this. Please use visual analytics to investigate the incident



## Challenge 4: Evacuation of Building

- For the mini-challenge please address:
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- Describe the evacuation and identify any casualties.
- The identification of potential suspects or witnesses to the event.
- The identification of any suspects who may have escaped.
- Where was the device set off?

# Grand Challenge

- For the overall challenge please address:
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- What is the social network of the Paraiso movement?
- What name(s) can be associated with individual activities?
- How do the major tenets of the Paraiso movement affect their activities?
- What is the geographical range of the Paraiso Movement and how does it change through time?