

(a). Region and Domain

- Mexico
- National System of Researchers of Mexico.

(b). Research Question

1. Which levels of SNI (National System of Researchers) has more researchers ?
2. Which institutions has more than 500 members affiliated to the SNI(National System of Researchers)?
3. Which Knowledge Areas of SNI (National System of Researchers) has more researchers ?

This Questions are going to be solved, with the latest year dataset available as open data.

(c). Link

The data set has been taken from the open data website of the National Government of Mexico.

- <https://datos.gob.mx/>
- <https://datos.gob.mx/busca/dataset/sistema-nacional-de-investigadores/resource/e416b953-674c-4503-8d7d-a89aba5cdd08>

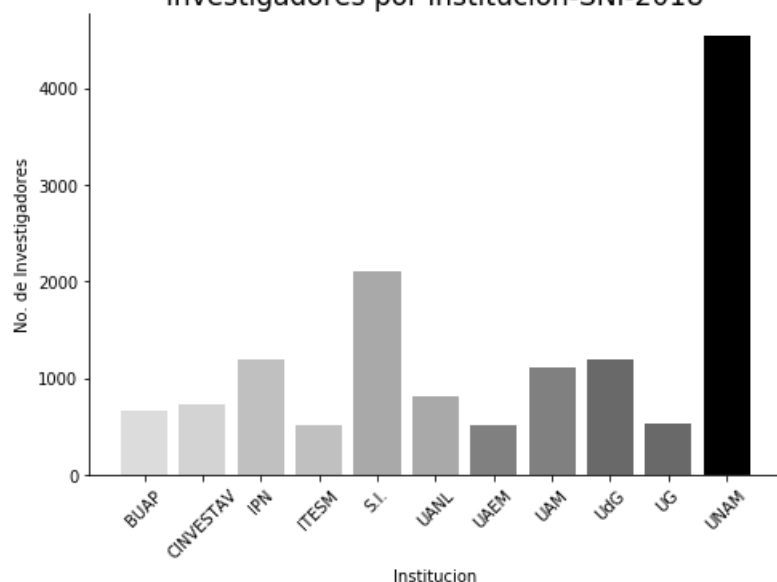
(d). Visualization



1.

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 CENTRO DE INVESTIGACION Y DE ESTUDIOS AVANZADOS DEL IPN
 INSTITUTO POLITECNICO NACIONAL
 INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY
 Sin Institución
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 UNIVERSIDAD AUTONOMA METROPOLITANA
 UNIVERSIDAD DE GUADALAJARA
 UNIVERSIDAD DE GUANAJUATO
 2. UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO

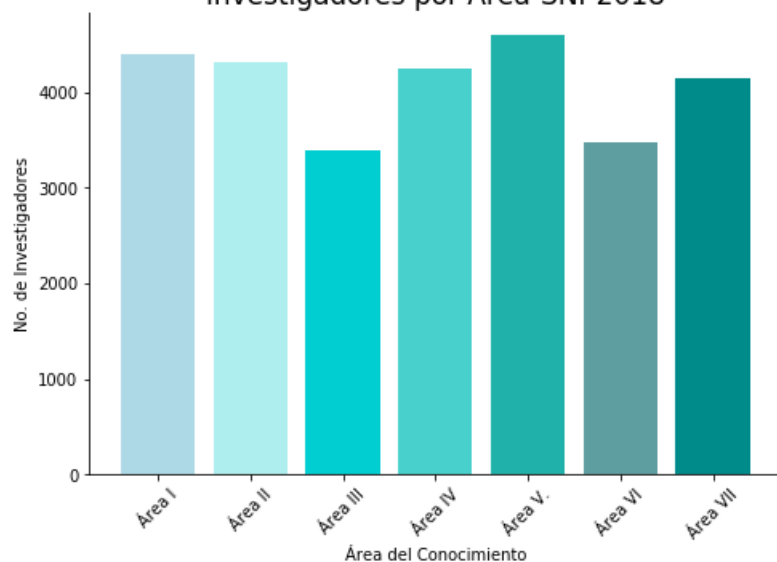
Investigadores por Institución-SNI-2018



Área I: FÍSICO-MATEMÁTICAS Y CIENCIAS DE LA TIERRA
 Área II: BIOLOGÍA Y QUÍMICA
 Área III: MEDICINA Y CIENCIAS DE LA SALUD
 Área IV: HUMANIDADES Y CIENCIAS DE LA CONDUCTA
 Área V: CIENCIAS SOCIALES
 Área VI: BIOTECNOLOGÍA Y CIENCIAS AGROPECUARIAS
 Área VII: INGENIERÍAS

3.

Investigadores por Área-SNI-2018



(e). Discussion

This visualization has been made to give answers to the questions about how many researchers does the SNI (National System of Researchers) has per level, which institutions has more than 500 members affiliated to the SNI and how many researchers does the SNI has per Knowledge Area currently. The National Government of Mexico made available the list controlled by CONACYT (National Council for Science and Technology) that contains the information about researchers affiliated to the SNI and provides information about Institution of Research, Level inside CONACYT, and Knowledge Area where the research is developed, and level of studies. The latest data set found was about researchers affiliated to the SNI 2018.

- The first plot indicates that the internal level assigned by SNI to the researchers that has more people is level 1, following by level C that corresponds to the candidates for SNI Researcher, then by level 2, and at the final level 3; this level 3 is assigned to the researchers with more papers, citations and impact in their publications.
- The middle plot shows that from 951 institutions that have affiliated members to the SNI, only eleven have more than 500. But also is interesting that there are about 2000 researcher without any affiliation to a Research Institution, and this amount is higher than the amount of researcher in other important institutions of the country.
- The last plot shows that the top three of areas that have more researchers developing work are about "Social Science", "Physics, Maths and Earth Science." and "Biology and Chemistry".