

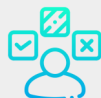
Behavior of the operating expenses of the territorial entities and capital cities of Colombia

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The Entity

The Colombian Association of Capital Cities (Asocapitales) is a non-profit organization whose purpose is to work on the consolidation and management of a common agenda built from the territories and made up of issues of national, regional and local scope and interest.

Business Impact



Less biased data allow determining the efficiency in the execution of operating expenses for territorial entities and having relevant information for decision-making.



Greater efficiency allows greater availability of resources for investment.

Challenges



Data structure



Different field formats per year

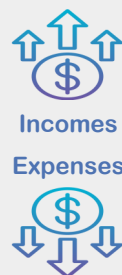


Numbers in text format

Highlights

- ♦ The comptroller's offices exert greater pressure on the operating expenses of the municipalities belonging to the special category.
- ♦ In 2020, there was a decrease in the fiscal performance index for municipalities of all categories, which coincides with the start of the covid-19 pandemic.

Data Cleaning



Identify and plot outliers

Analysis of behavior by categories

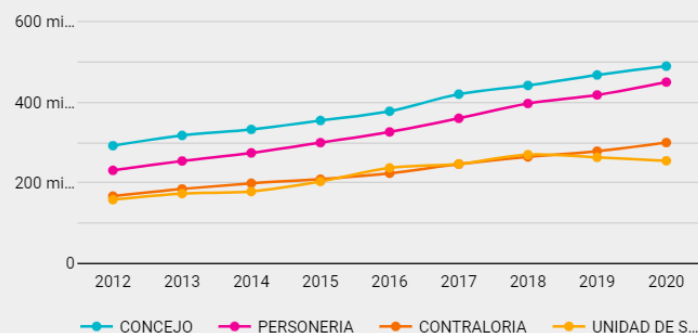
Categories

1	2	3
4	5	6
ESP		

Normalization of outliers

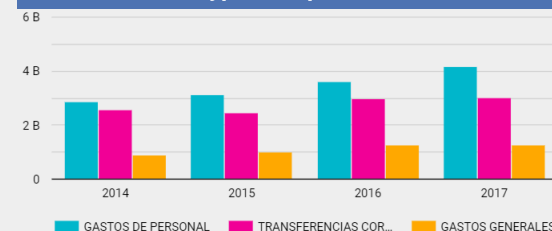
Results

Expenses by Executing Unit



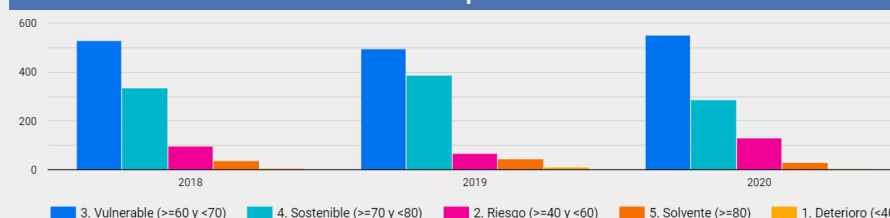
Municipal councils are the spending units that generate the most pressure on operating expenses.

Type of expenses



Personnel expenses and current transfers exert on average more pressure on the revenues of the municipalities. Additionally, personal services associated with payroll and pension allowances influence these categories of expenses.

Level of fiscal performance



Municipalities belonging to category six present a greater risk, that is, their operating expenses exert greater pressure with respect to their current income of free destination.