

Rio de Janeiro, 9 October 2024.

**Brief Analysis of Voting Behavior in the
Rio de Janeiro Mayor Election: 24 x 20**

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BRANCO

CORRIGE

CONFIRMA

Agenda



Motivations



Highlight



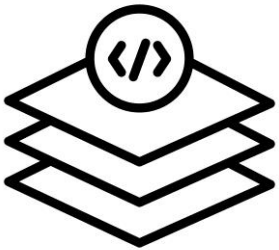
Analysis

Motivations



Personal project driven by areas of interest and curiosity, motivated by Eduardo Paes great achievements:

- Eduardo Paes was elected for a **4th term**, totaling 16 years in power, an **unprecedented achievement** in the city's history;
- Eduardo Paes **managed to unite politicians from both the right and left spectrum** following the phenomenon of the far right;
- He **has never been convicted** in any corruption scandal despite numerous national and state-level scandals (Lava Jato);



Tech Stacks:



Highlights (1/2)



- Eduardo Paes has shown impressive resilience as a politician in his fourth elected term, achieving a remarkable **+146% increase in votes (2024 vs. 2020)** in the area with the **greatest electoral variation** (Campo Grande - West Zone) and a **+36% increase in the area with the smallest variation** (Copacabana - South Zone), demonstrating consistent growth across different regions.



- The current mayor made **significant investments** and delivered **achievements** in regions where he secured the three regions where he secured the highest vote counts **which may help explain the strong voter** support in these areas. These achievements were in areas like transportation (e.g., Campo Grande Ring Road), education (e.g., Technological Experimental Gymnasium Schools), leisure (e.g., West Zone Leisure Park), and housing (e.g., 'Morar Carioca'). See next slide for more details.



- Where Mr. Paes shows a lower increase (in the South Zone, such as Copacabana) is where the **political mentor of his main opponent has their electoral stronghold** and can explain the mayor vote in this area.

Highlights (2/2)



newspaper articles may help explain the strong voter support in the top three electoral zones (122nd, 161st, and 245th), corresponding to the neighborhoods of Campo Grande, Santíssimo, Senador Vasconcelos, Ramos, Bonsucesso, and Inhoaíba.

Rio

Entenda como o Anel Viário de Campo Grande vai desafogar o tráfego no bairro

Uma das etapas do projeto será entregue nesta sexta-feira, com a abertura de um mergulhão na Cesário de Melo

Understand how the Campo Grande Ring Road will ease traffic in the neighborhood.

<https://oglobo.globo.com/rio/noticia/2024/07/05/entenda-como-o-anel-viario-de-campo-grande-vai-desafogar-o-trafego-no-bairro.ghtml>

Prefeitura do Rio inaugura mais dois Ginásios Experimentais Tecnológicos na Zona Oeste

Com mais dois novos GETs em Inhoaíba, na Zona Oeste do Rio, a Rede Municipal expande o modelo educacional inovador

Por **Gabrielle Lopes** - 22 de agosto de 2023

Rio City Hall inaugurates two more Technological Experimental Gyms in the West Zone.

<https://diariodorio.com/prefeitura-do-rio-inaugura-mais-dois-ginasios-experimentais-tecnologicos-na-zona-oeste/>

Parque Oeste, em Inhoaíba, é inaugurado após 1 ano de obras

Novo espaço de lazer da Zona Oeste, já disponível à população, funcionará de terça a domingo, das 6h às 22h

Por **Ingrid Honorato** - 19 de setembro de 2024

Parque Oeste, in Inhoaíba, is inaugurated after 1 year of construction

https://diariodorio.com/diversao-na-zona-oeste-primeira-fase-do-parque-oeste-ja-esta-aberta-ao-publico/#google_vignette

Comunidade do Aço recebe primeiras unidades do programa Morar Carioca

Neste domingo (30), 16 famílias receberam as chaves dos novos apartamentos; com obras ainda em andamento, projeto prevê a construção de 704 residências

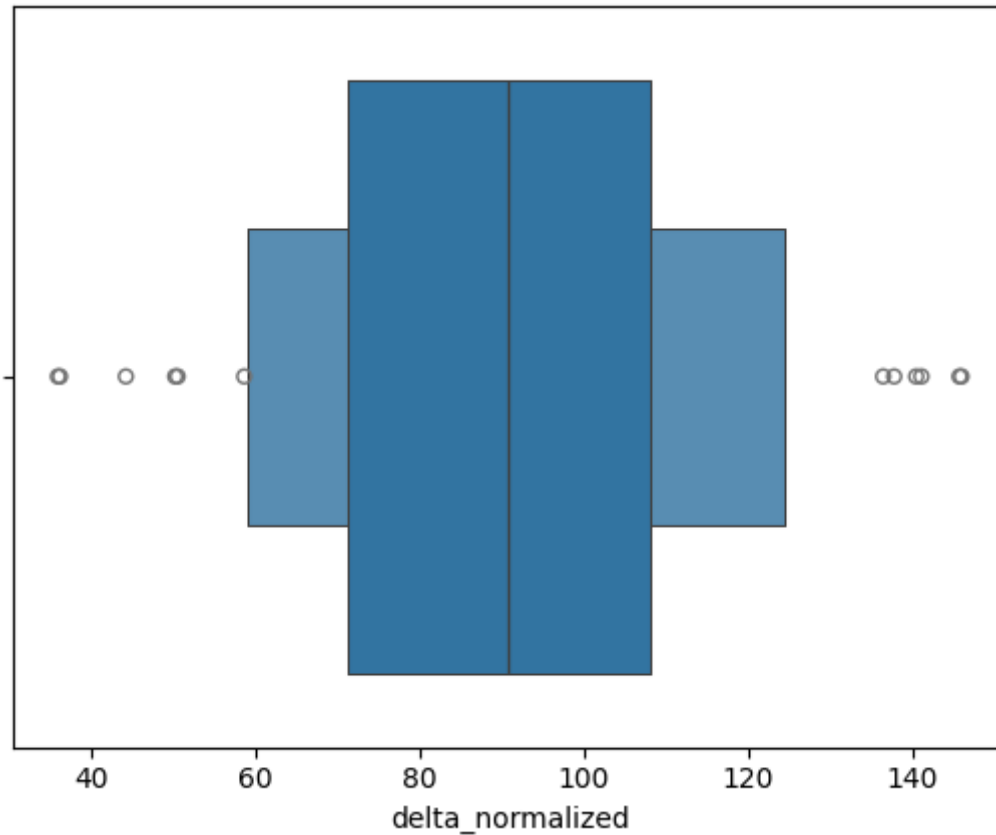
Aço community receives the first units of the Morar Carioca program.

<https://odia.ig.com.br/rio-de-janeiro/2024/06/6873732-comunidade-do-aco-recebe-primeiras-unidades-do-programa-morar-carioca.html>

Analysis (1/2)



Distribution of vote variations (%) between 2024 and 2020 across electoral zones.

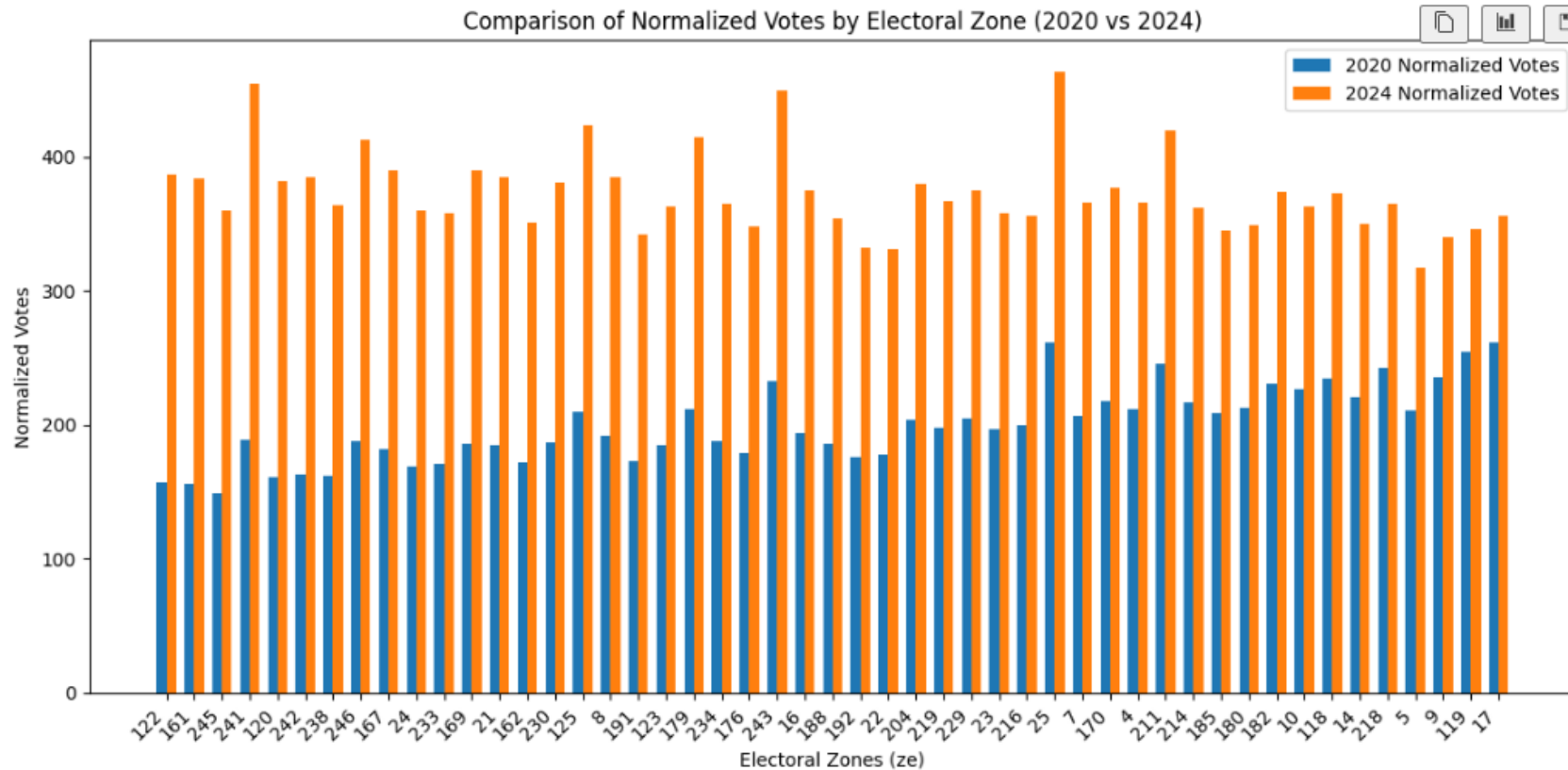


This graph reflects:

- **Central tendency** of the % variation close to 100%, indicating that most electoral zones doubled the votes.
- **Spread of data:** The interquartile range (IQR), which represents the middle 50% of the data, shows that most of the values lie between approximately 75 and 120.
- **Outliers:** on both the lower and upper ends of the distribution. This suggests that a few electoral zones experienced significant deviations in vote percentages compared to the majority,

Note: Graphic generated directly from Python/VS Code in an automated manner.

Analysis (2/2)



This graph reflects **significant increase** of # votes from each electoral zone.

Ps: the votes were normalized by the total eligible voters from each year.

Note: Graphic generated directly from Python/VS Code in an automated manner.

Thank you



All the technical details are available in my **Jupyter Notebook** in my repository on **GitHub**.

Feel free to check it out, and don't hesitate to get in touch. I would love to discuss it with you.



Sincerely, Fernando Cirone.