

# Robustesse 1

## Casser des Graphes

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April 23, 2024

Complex Networks - LIP6

# Outline

Étude sur le graphe non valué

Scores

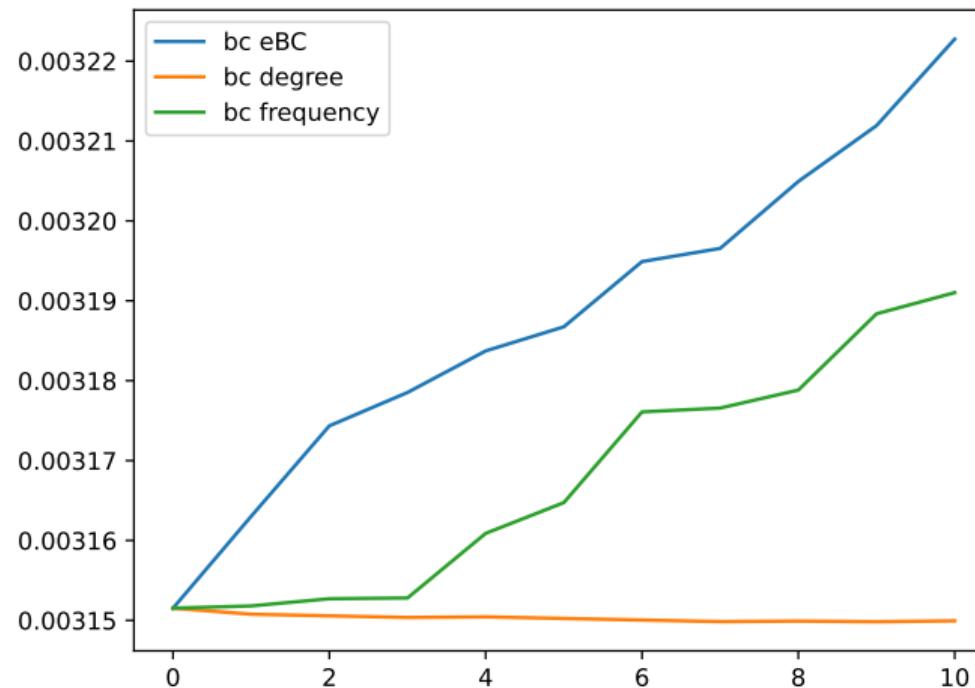
Carte de edge Betweenness Centrality

Distribution de edge Betweenness Centrality

## **Étude sur le graphe non valué**

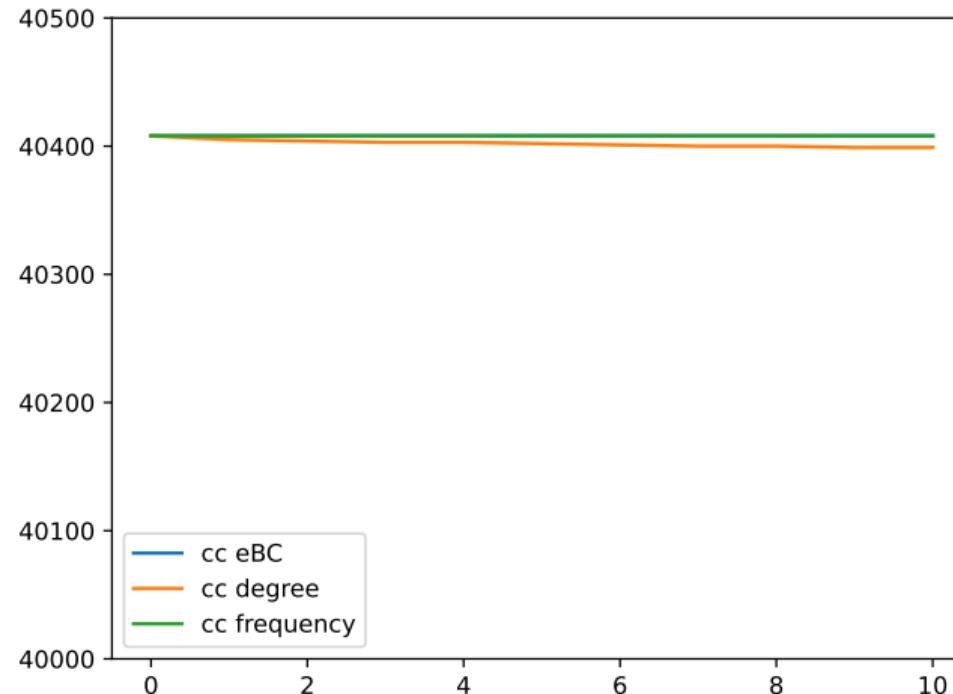
## Score: moyenne eBC

Average edge BC for BC, frequency and max degree attacks

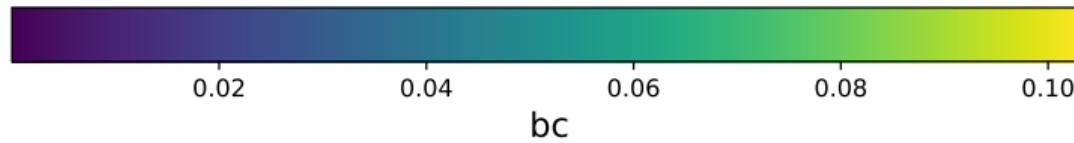
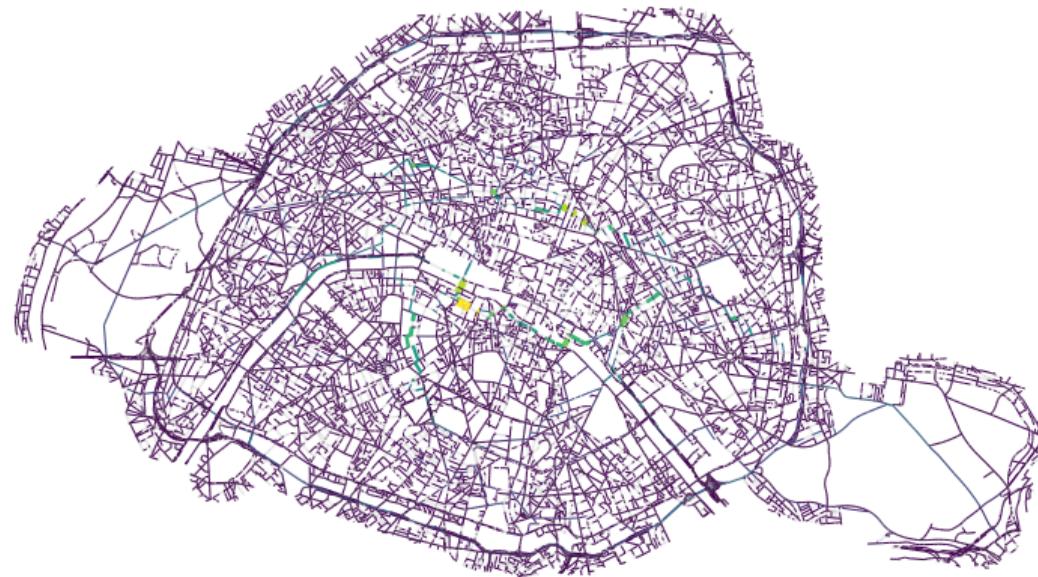


# Score: plus grande CC

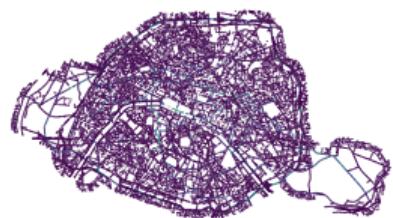
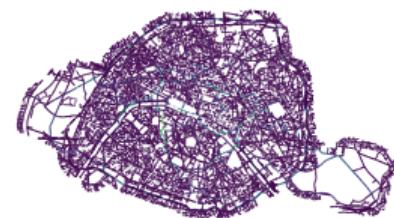
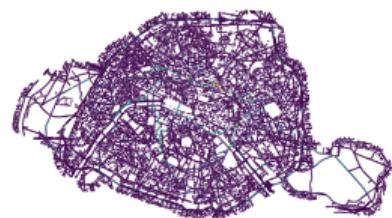
Bigest connected component size for BC, frequency and max degree attack:



# edge Betweenness Centrality: Paris non valué



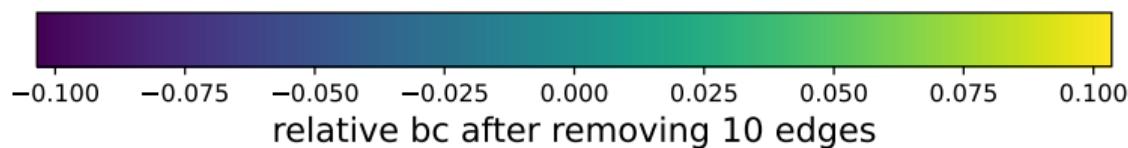
## Ordre eBC: Quelques cartes de eBC



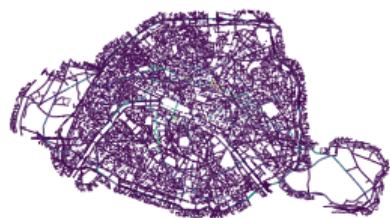
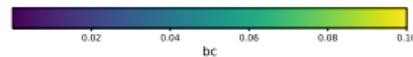
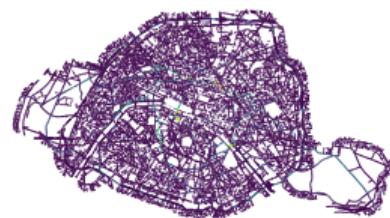
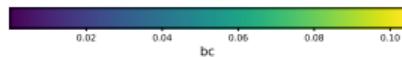
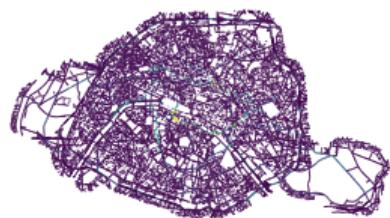
## Ordre eBC: $\Delta$ -eBC absolue



## Ordre eBC: $\Delta$ -eBC relative



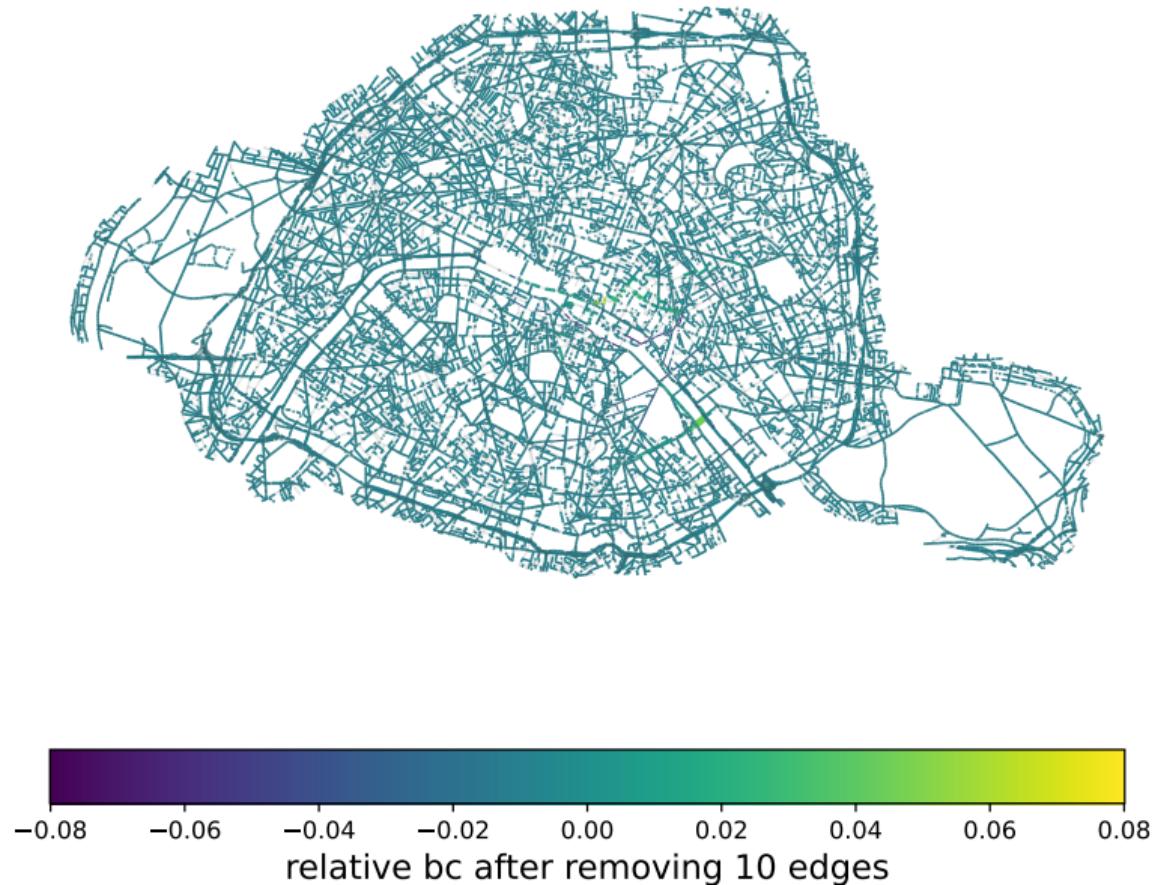
## Ordre freq: Quelques cartes de eBC



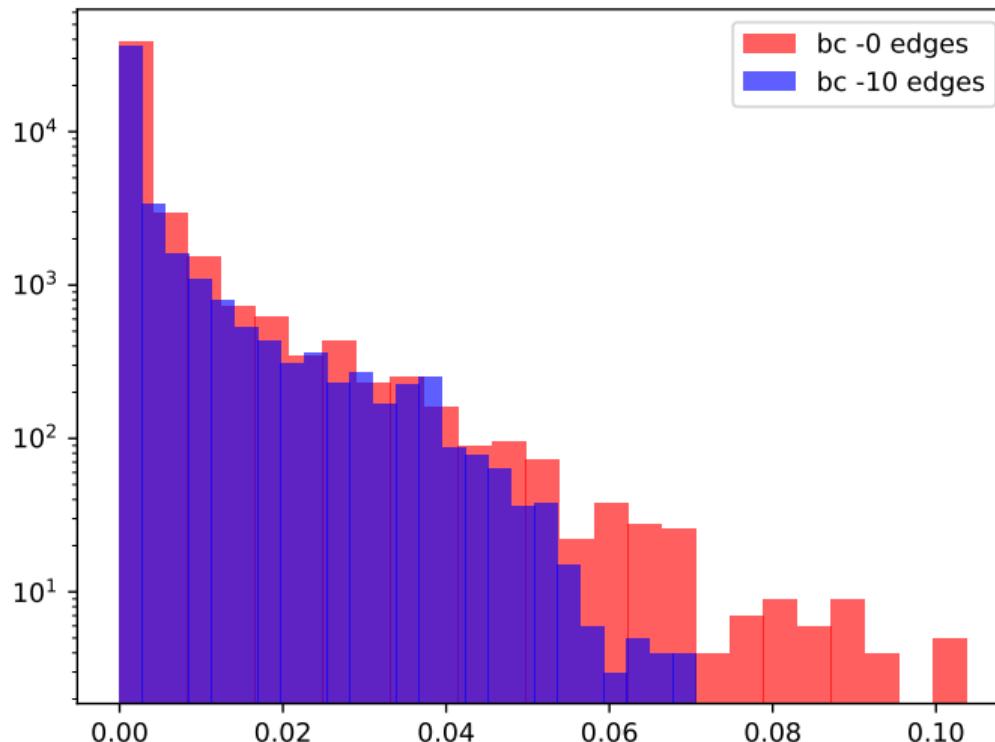
## Ordre freq: $\Delta$ -eBC absolue



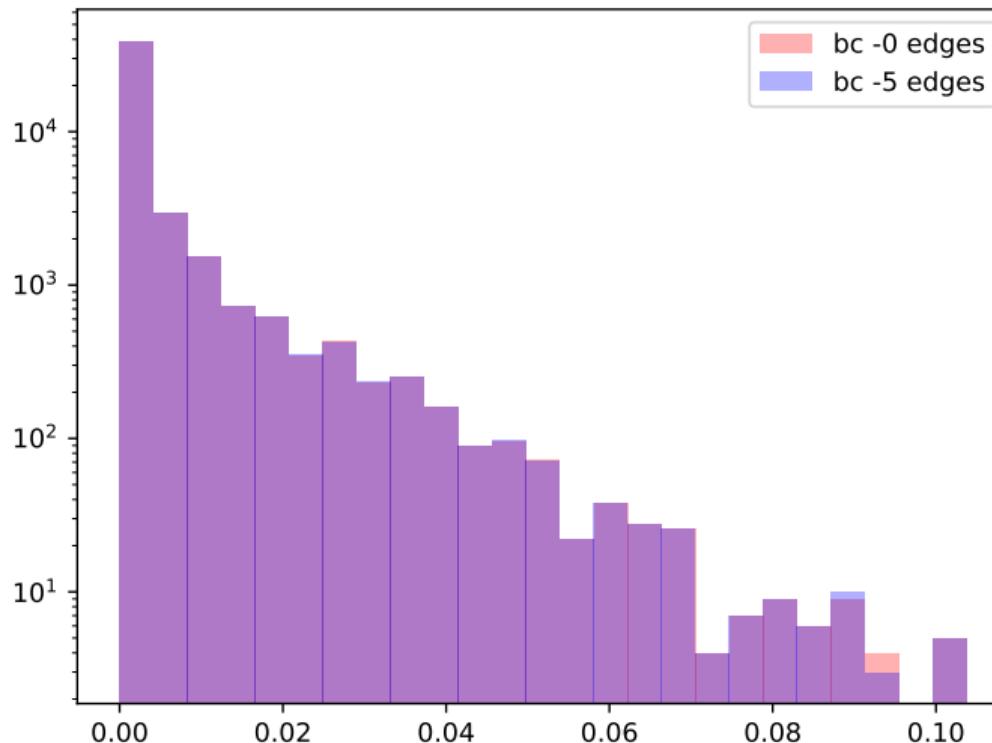
## Ordre freq: $\Delta$ -eBC relative



## Ordre eBC: changements de distributions après 10 arêtes enlevées



## Ordre deg: changements de distributions après 10 arêtes enlevées



## Ordre freq: changements de distributions après 10 arêtes enlevées

