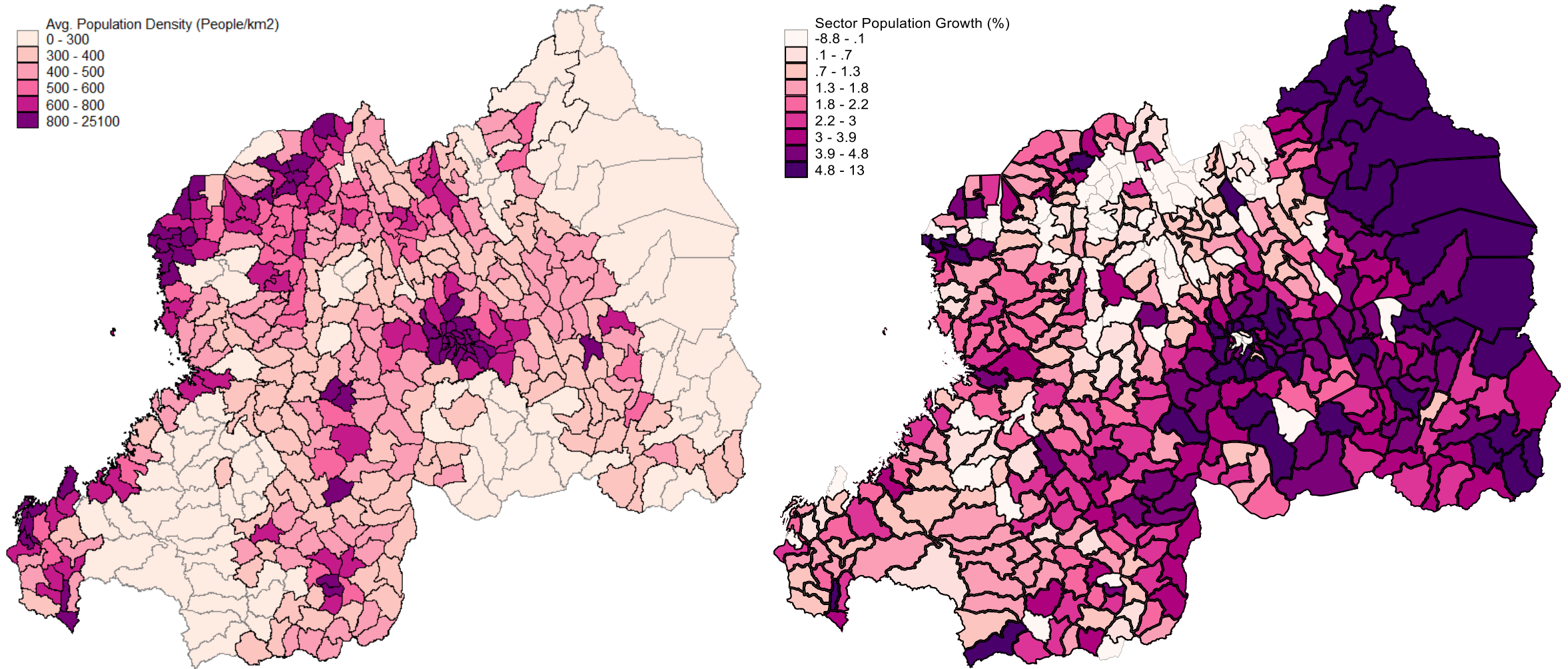


# Economic Geography of Rwanda's Cities

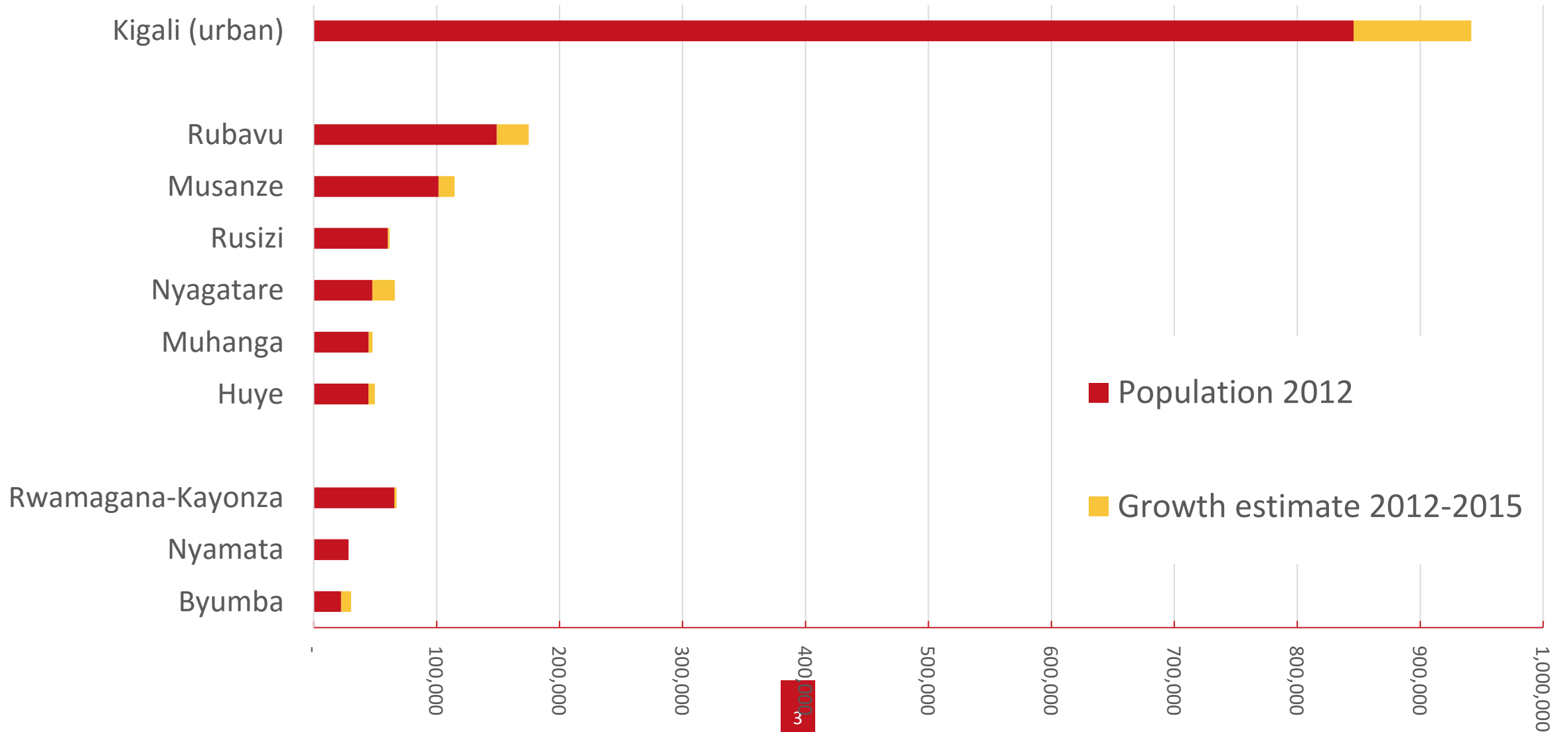
National Urban Forum – 6 February 2019

Preliminary Results – pending validation

# Rwanda is urbanizing from a low base

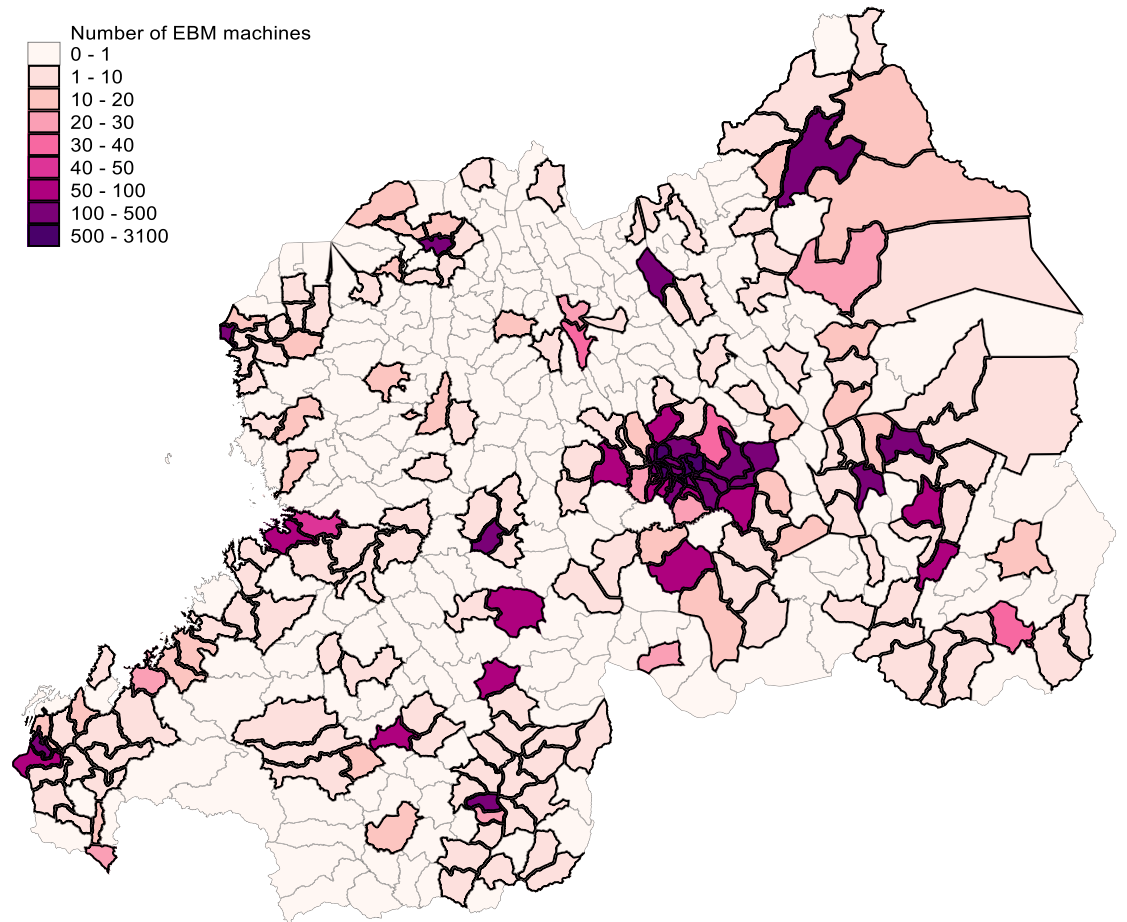


# Kigali is the primary city

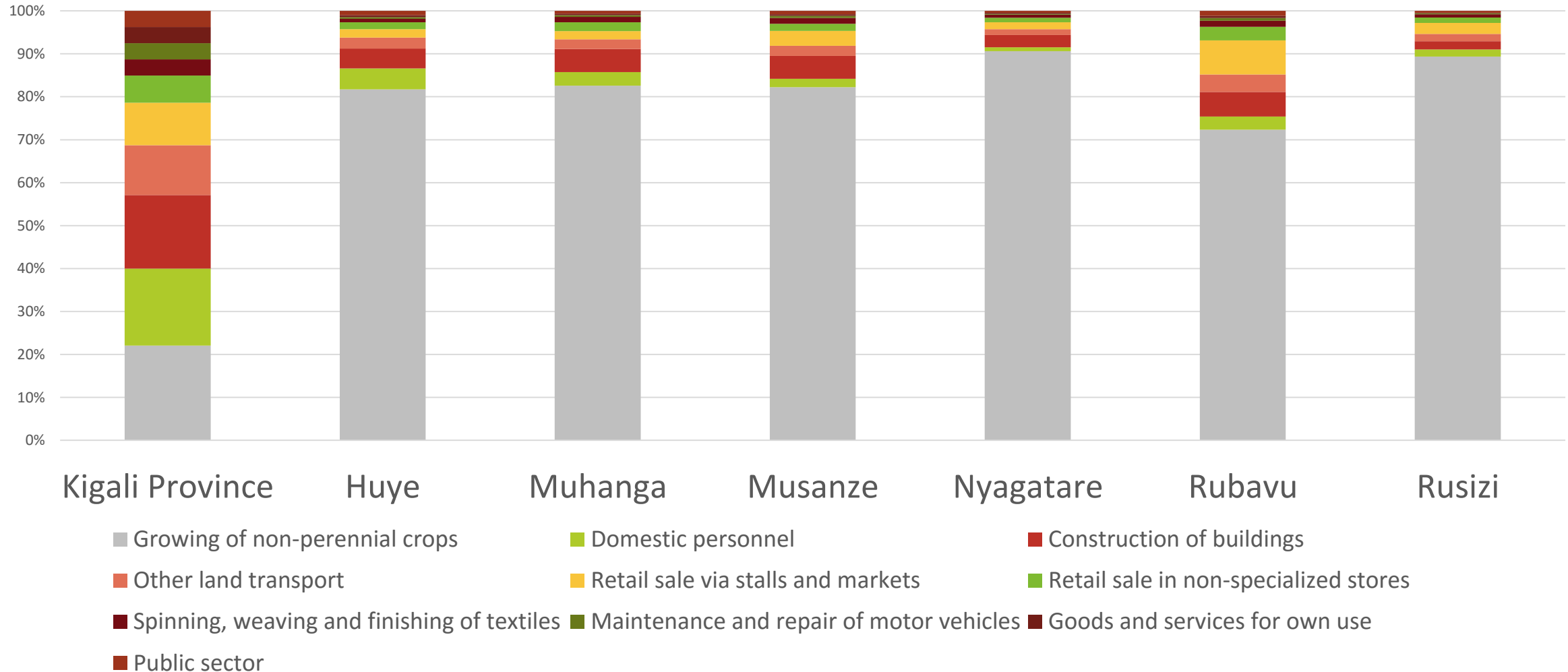


# Formal business activities are concentrated in Kigali

- 45% of non-micro firms are based in Kigali (Establishment Census 2017)
- Kigali has 10% more businesses than expected even given the urban population
- 85% of EBM registered sales are based in Kigali (EBM 2017/18)



# Kigali's economy is unique in Rwanda



# Secondary Cities' growth could be pro-poor

- Nearly one-third of Rwanda's poor live within 20 km of a secondary city
- Academic evidence that urbanization has positive benefits for the surrounding areas
- EICV data suggests current rural-urban movements are from higher income rural population
- Future economic potential also depends on the size of the population in surrounding areas

Cities	<5kms	<10kms	<15kms
Kigali	489,000	795,000	1,095,000
Rubavu	139,000	236,000	374,000
Musanze	110,000	242,000	512,000
Muhanga	83,000	198,000	344,000
Rusizi	75,000	167,000	237,000
Nyagatare	54,000	74,000	141,000
Huye	50,000	213,000	364,000
Byumba	52,000	186,000	342,000
Kayonza	43,000	98,000	220,000
Nyamata	36,000	65,000	240,000
Rwamagana	33,000	129,000	214,000

Census 2012

# Cities' current strengths align with branding

## Rubavu

Manufacture of beverages

Retail sale via stalls and markets

Short term accommodation activities

## Musanze

Construction of roads and railways

Provision of services to the community as a whole

Retail sale via stalls and markets

## Muhanga

Growing of perennial crops

Manufacture of non-metallic mineral products

Mining and quarrying

## Huye

Research and experimental development on natural sciences and engineering

Support activities to agriculture and post-harvest crop activities

Higher education

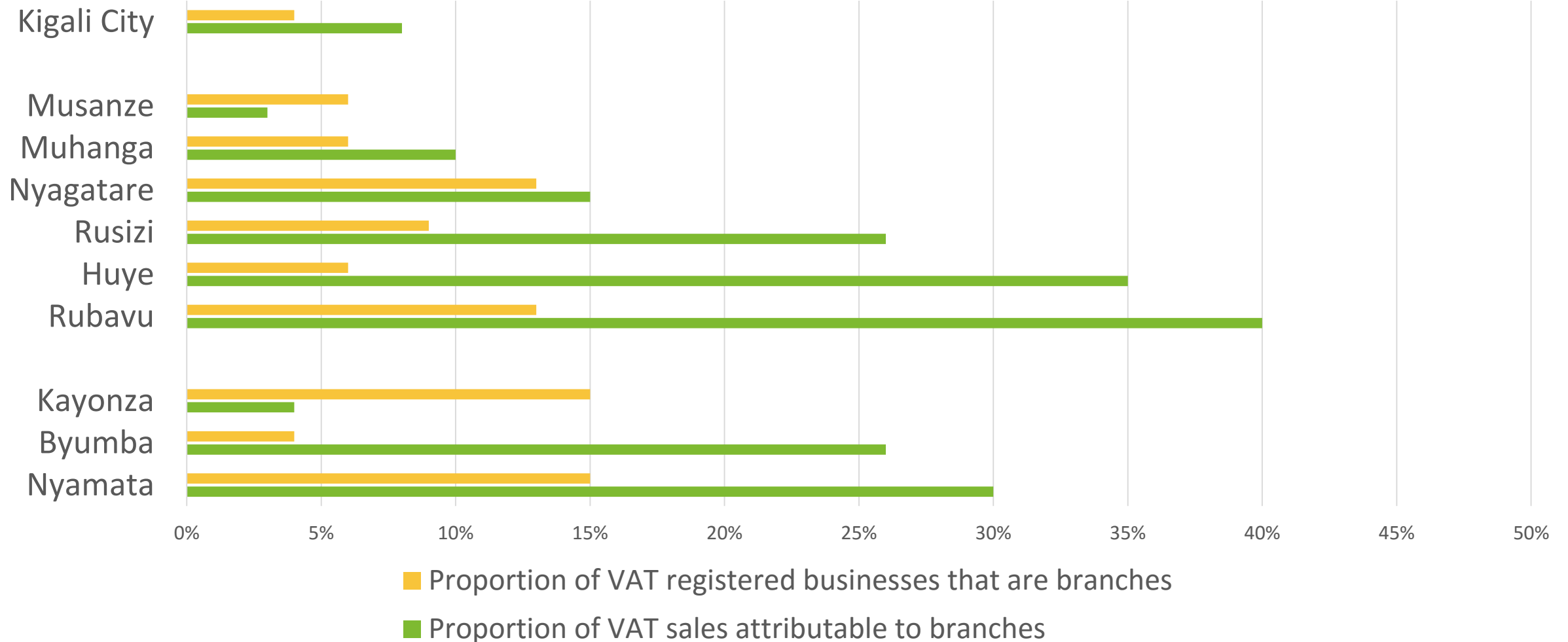
## Nyagatare

Animal production

Repair of personal and household goods

Restaurants and mobile food service activities

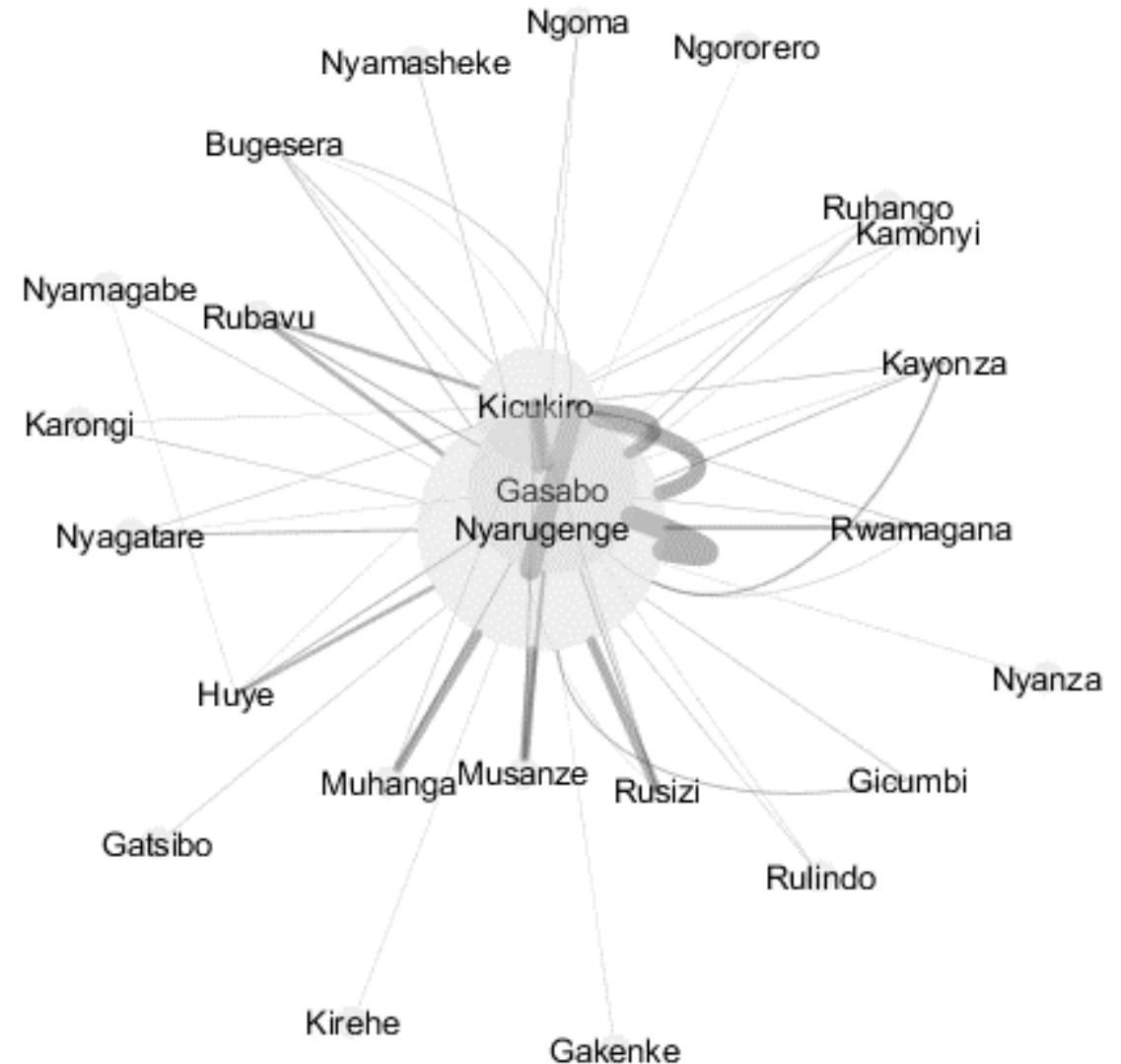
# Secondary cities rely on branches





# Secondary cities rely on trade with Kigali

- Kigali acts as a central hub connecting different parts of the country
- Kigali has 12% more of intra-Rwanda trade than expected given a gravity model of the urban population
- Businesses outside of Kigali are more dependent on trade with outside their own district
- Density of district's road infrastructure is positively associated with trade.

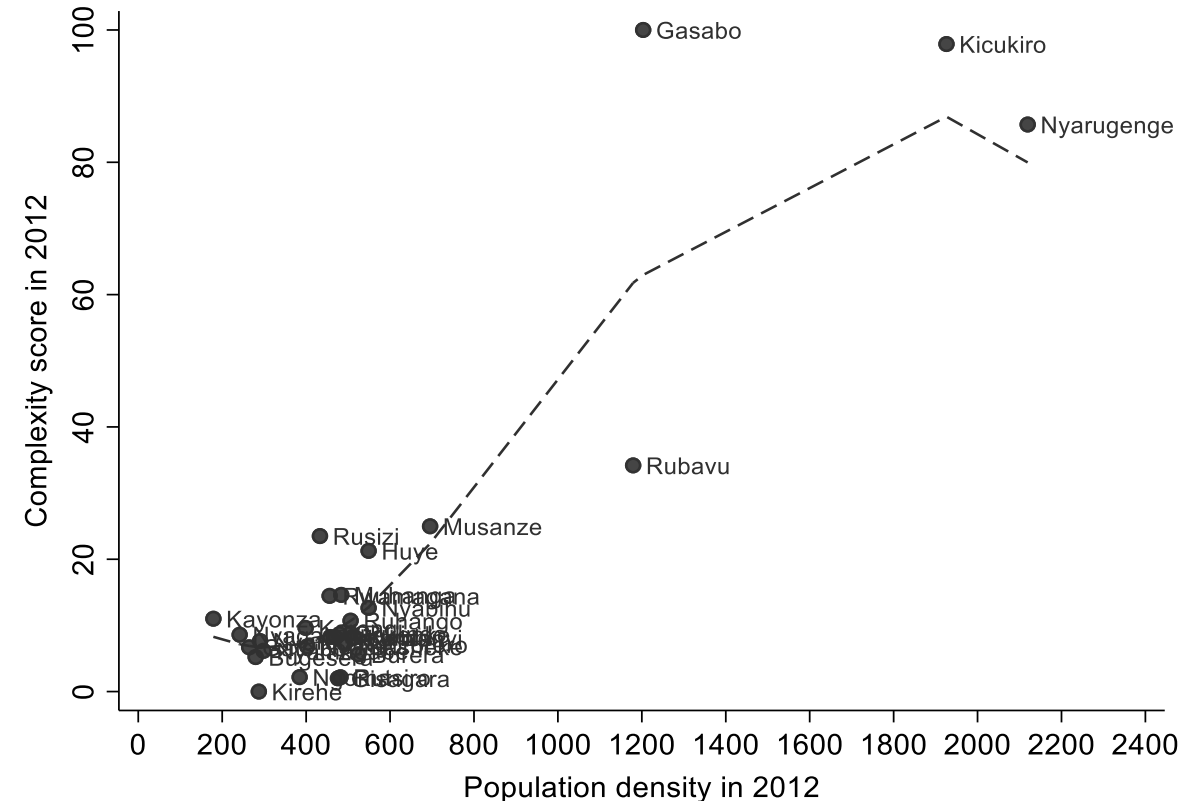


# Urbanization → business density → specialization

Looking at the relationships over time in Rwandan cities there's some evidence that

- Urbanization (population density) increases before business density
- business density increases before specialization/complexity

Based on this Rubavu stands out as a high potential secondary city – it's population is high compared to current level of specialization.

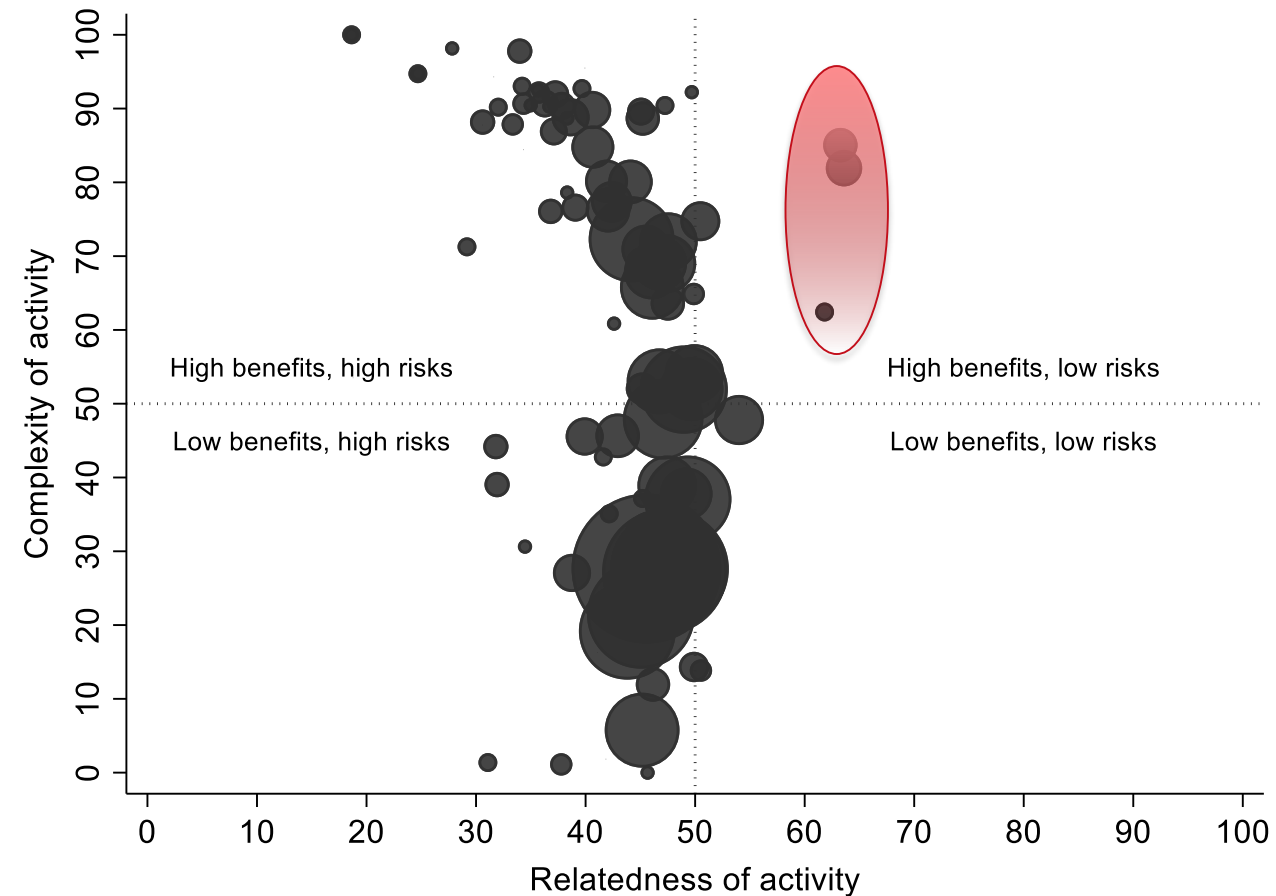


# Discovering high-potential, low-risk sectors

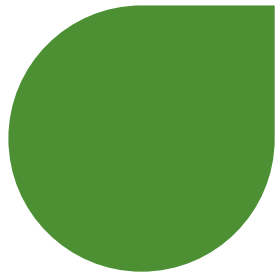
Applying the Smart Specialization Framework used in the EU to Rwanda's economic data can identify economic sectors to prioritise that are:

- (i) achievable and hence "related" to the current strengths of a location;
- (ii) more advanced or "complex" than the current set of economic activities.

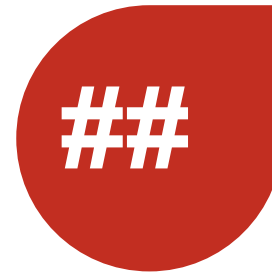
Example on the left is Gisenyi Sector, Rubavu District and suggests growing (i) financial services (ii) photographic activities; and (iii) travel agency and tour operator activities.



# Conclusions



Current strengths align with secondary cities branding.



Secondary cities need urban population growth to fully benefit from specialization.



Secondary cities are dependent on trade with Kigali and branches.



Rwanda has some world class data for understanding economic geography including city specifics.

Much more in the forthcoming report!



Thank you.

Report prepared by Dimitri Stoelinga, Anirudh Rajashekar and Marion Richard with support from Mike O'Doherty, Carlo Menon and David Wickland.

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