



Long Run Analysis of Regional Economy: Shift Share Method

Course No.- PLAN-434
Course Title: Regional Planning Studio

Submitted by-

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Level-4/Term-1

Submitted to

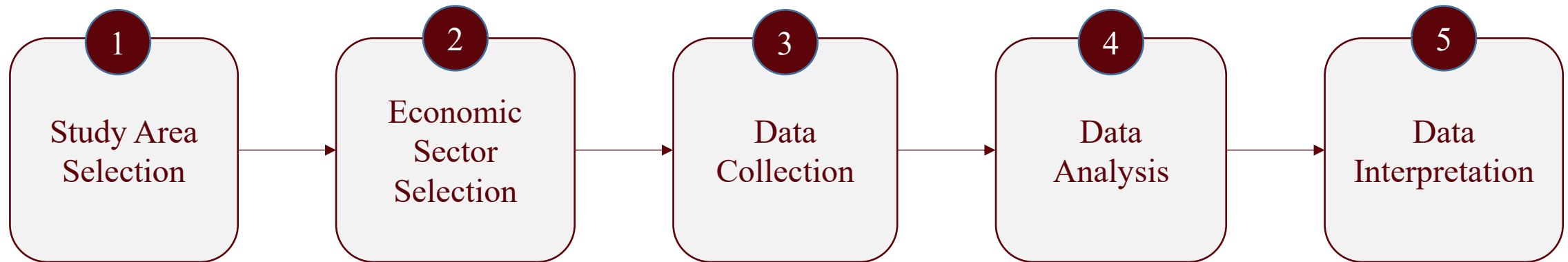
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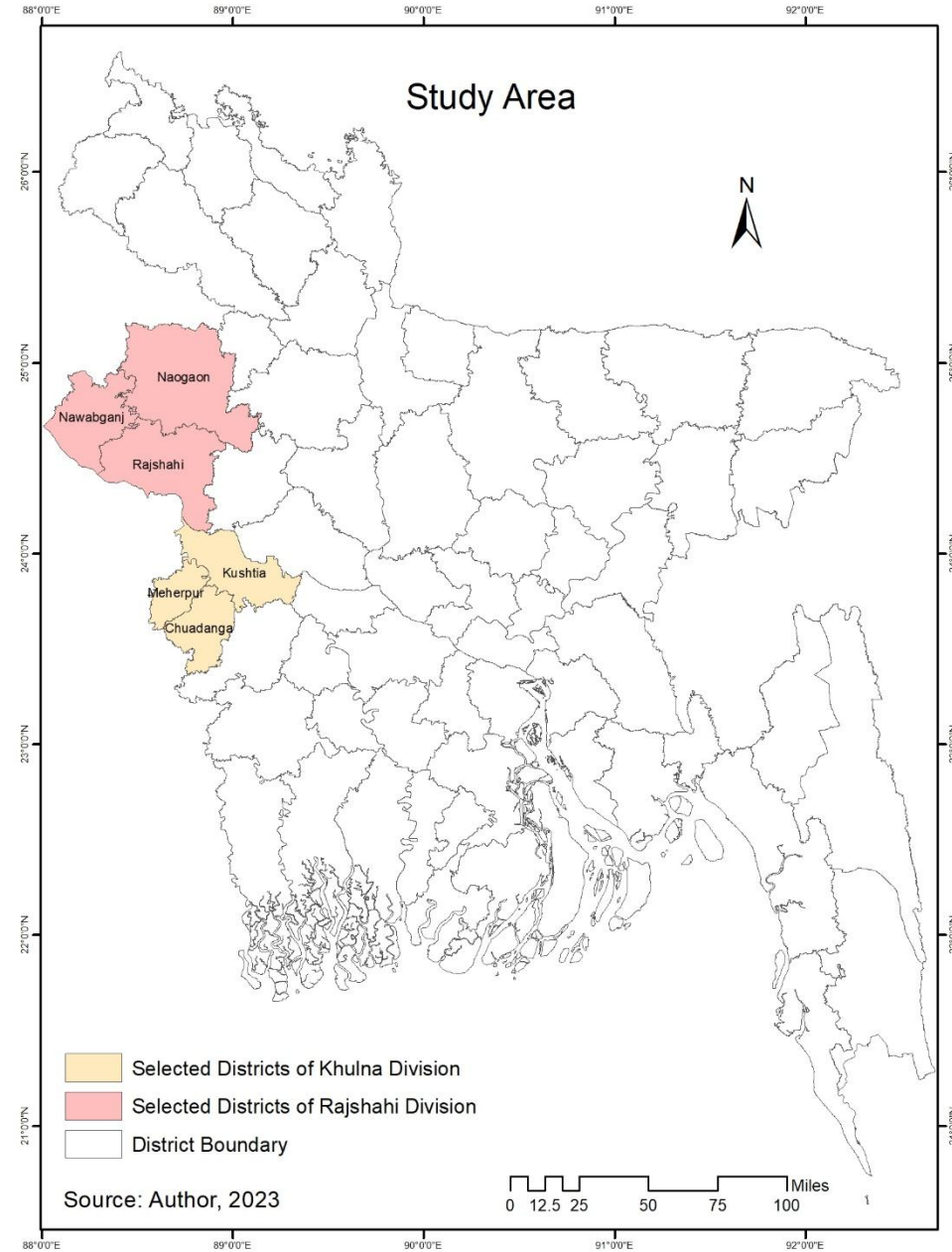
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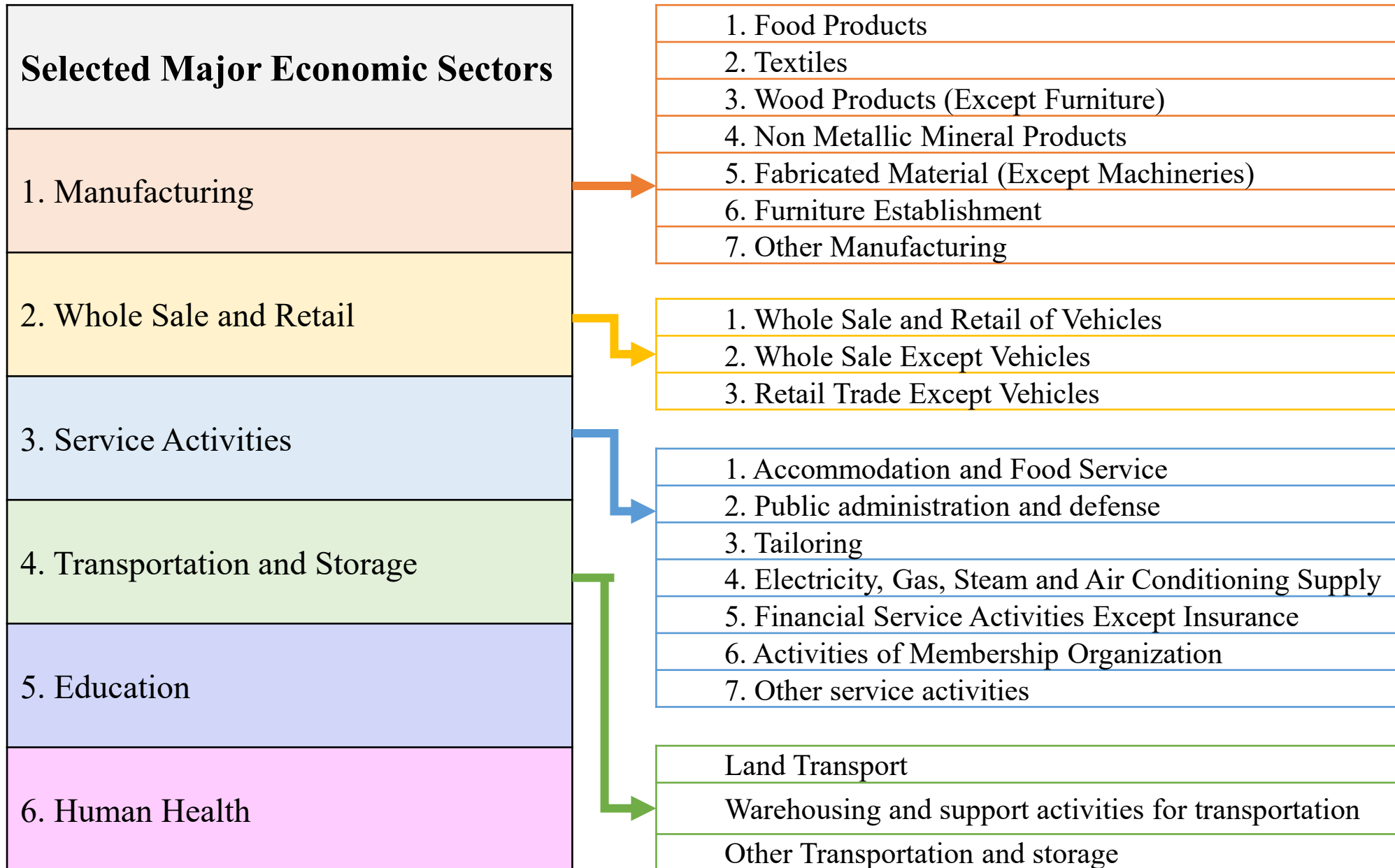
Methodology



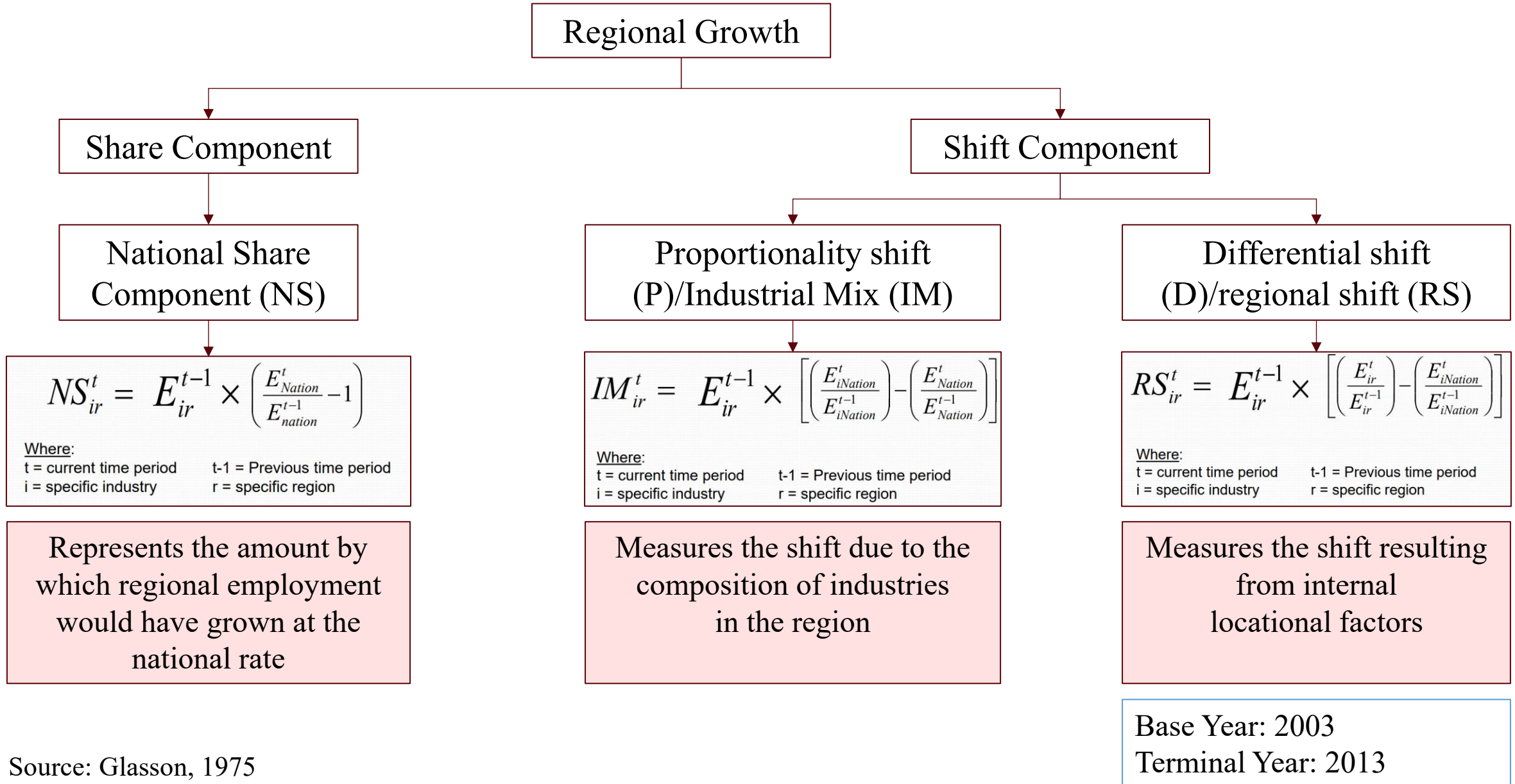
Study Area Selection



Major Economic Sectors



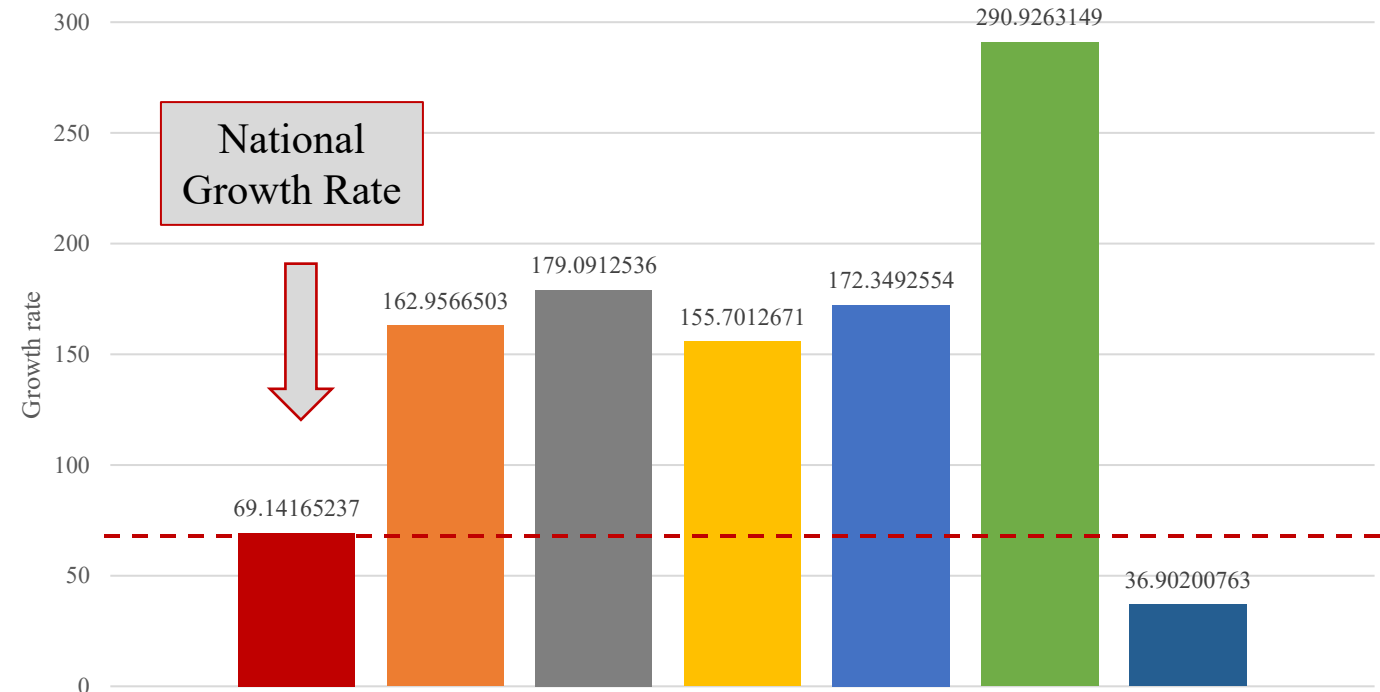
Shift Share Analysis



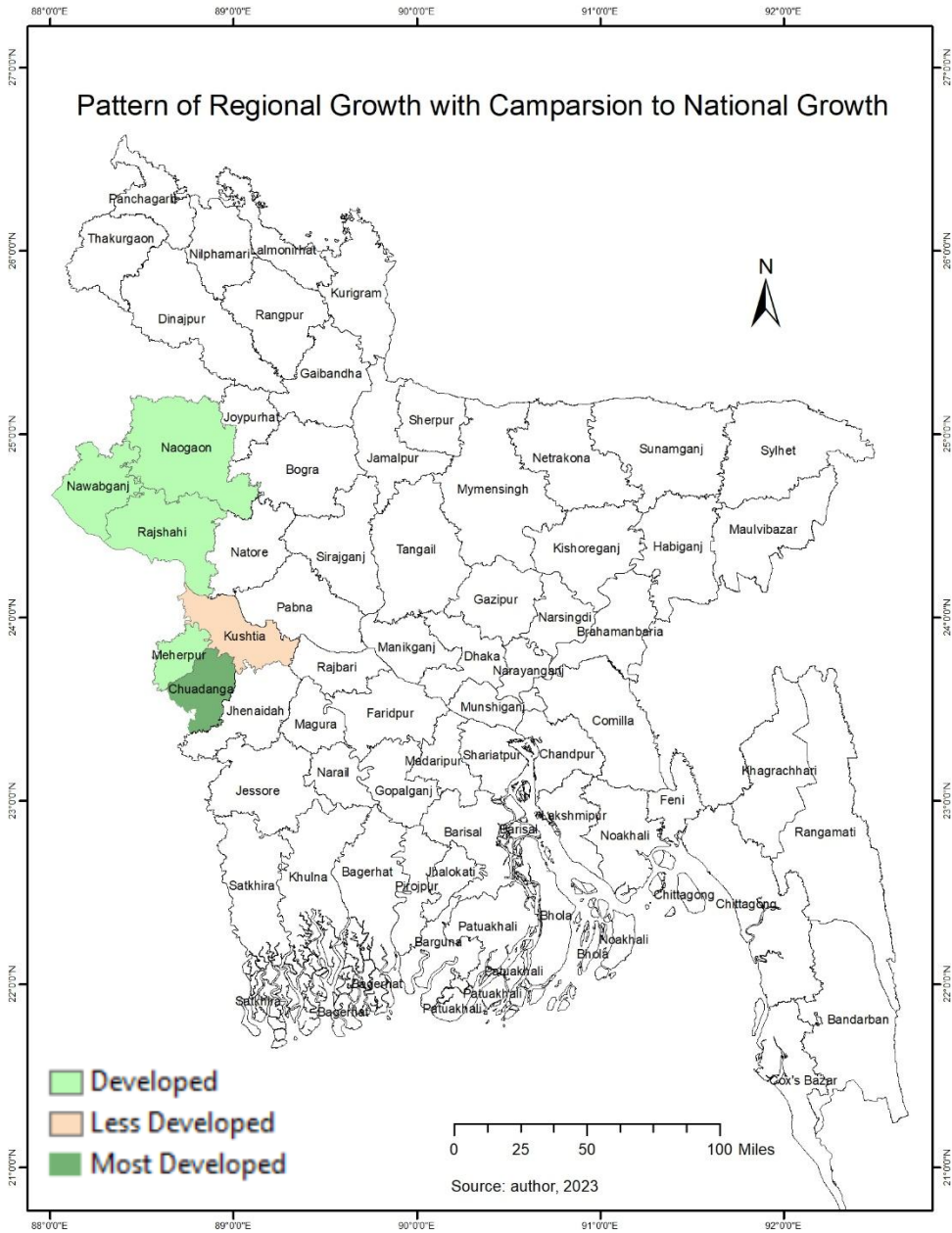
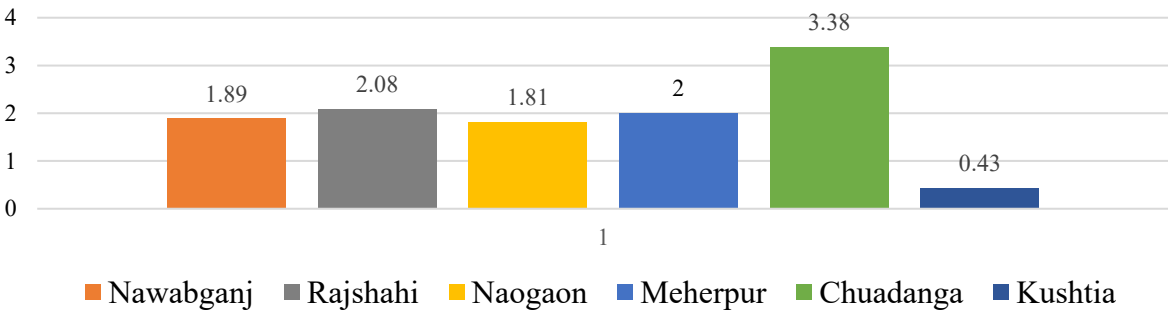
Source: Glasson, 1975

Comparison between National Growth and Regional Growth Rate

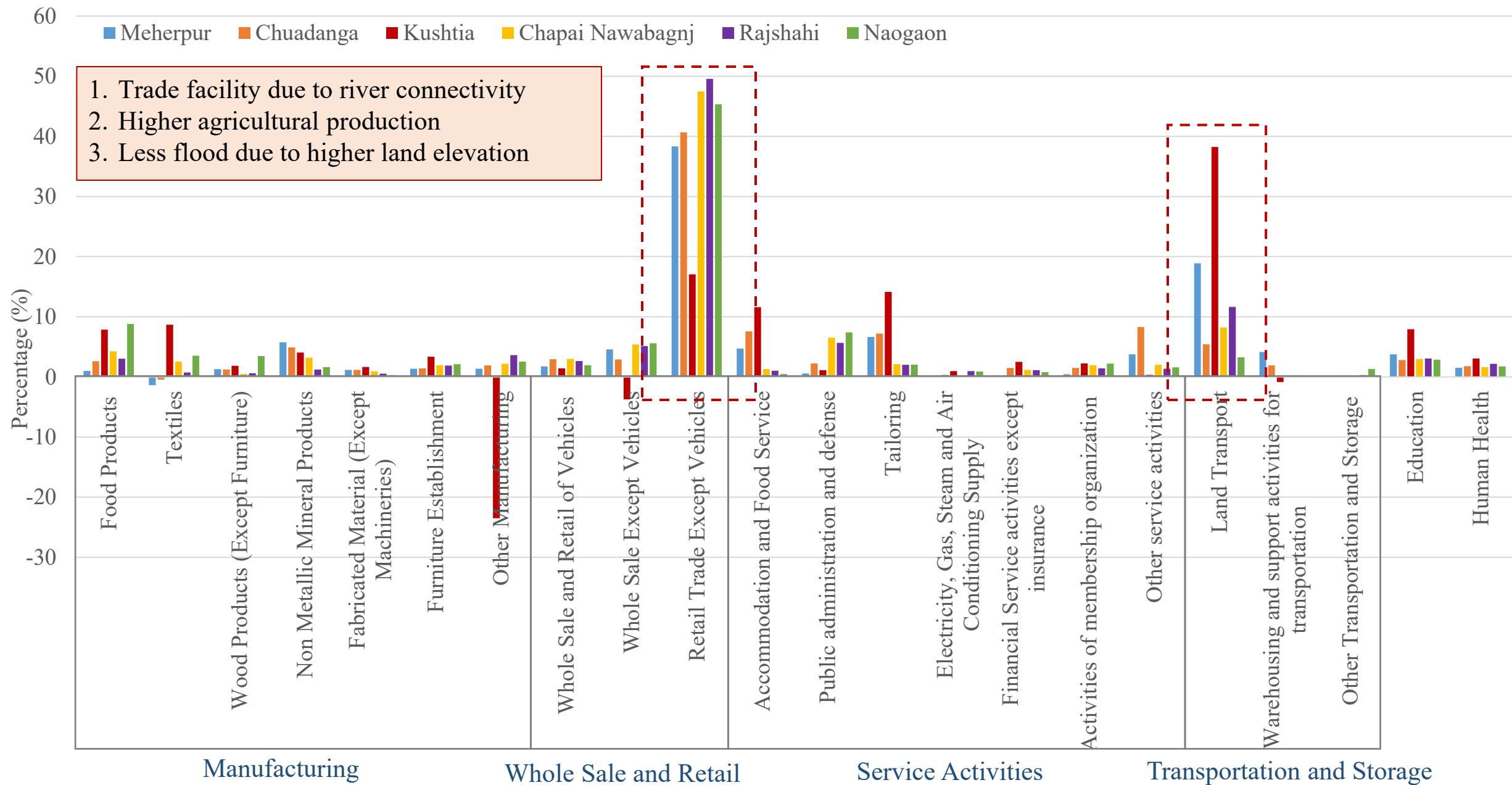
Regional Growth vs National Growth



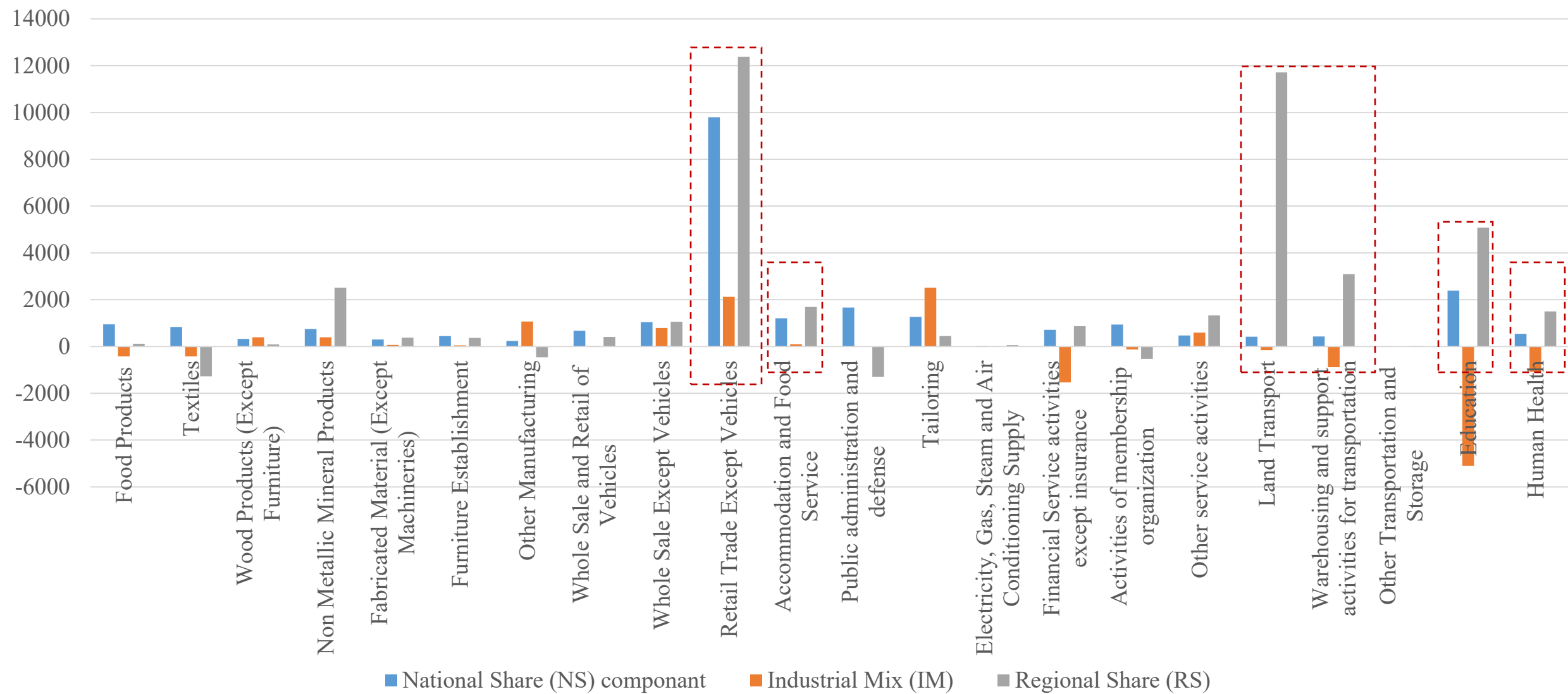
Contribution of Districts in National Growth



Contribution of Subsectors in Regional Growth of the Districts

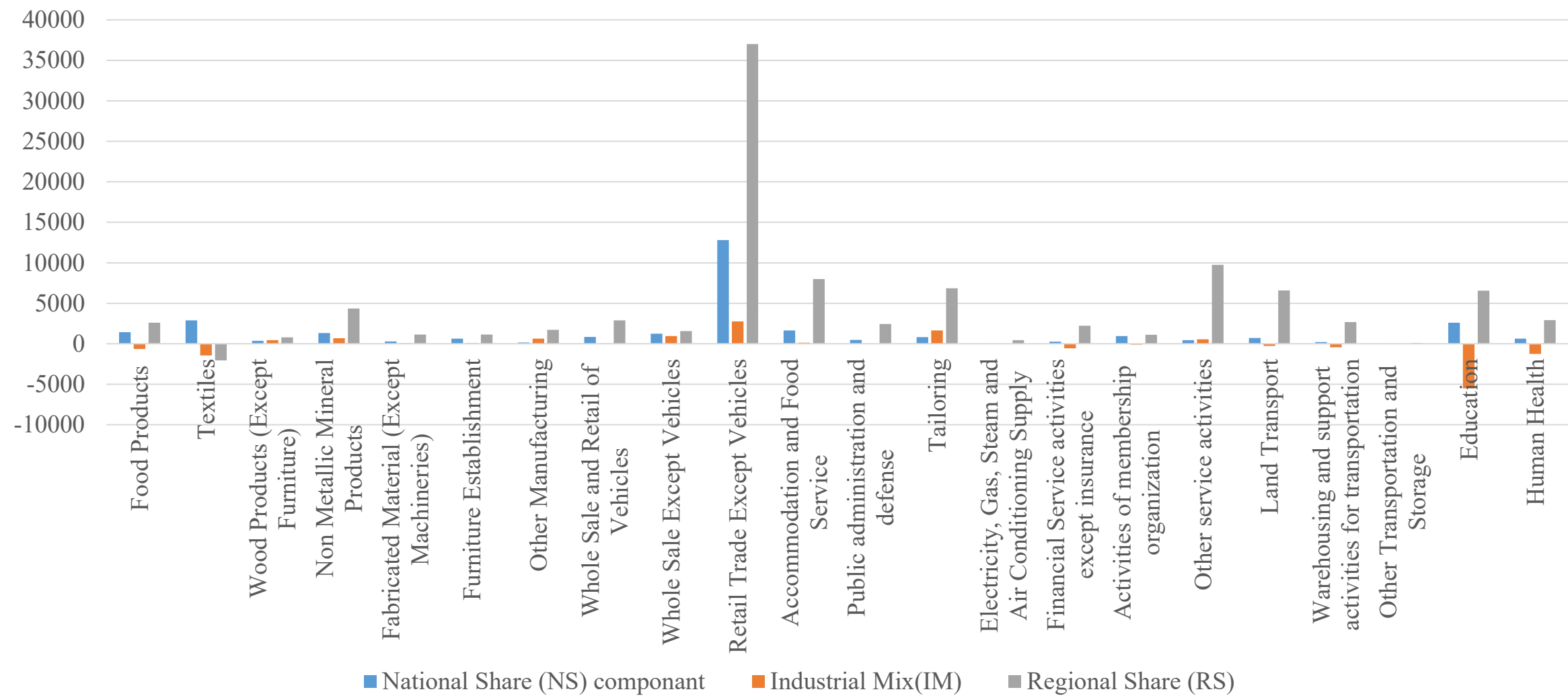


Comparison of NS, IM and RS of Meherpur District



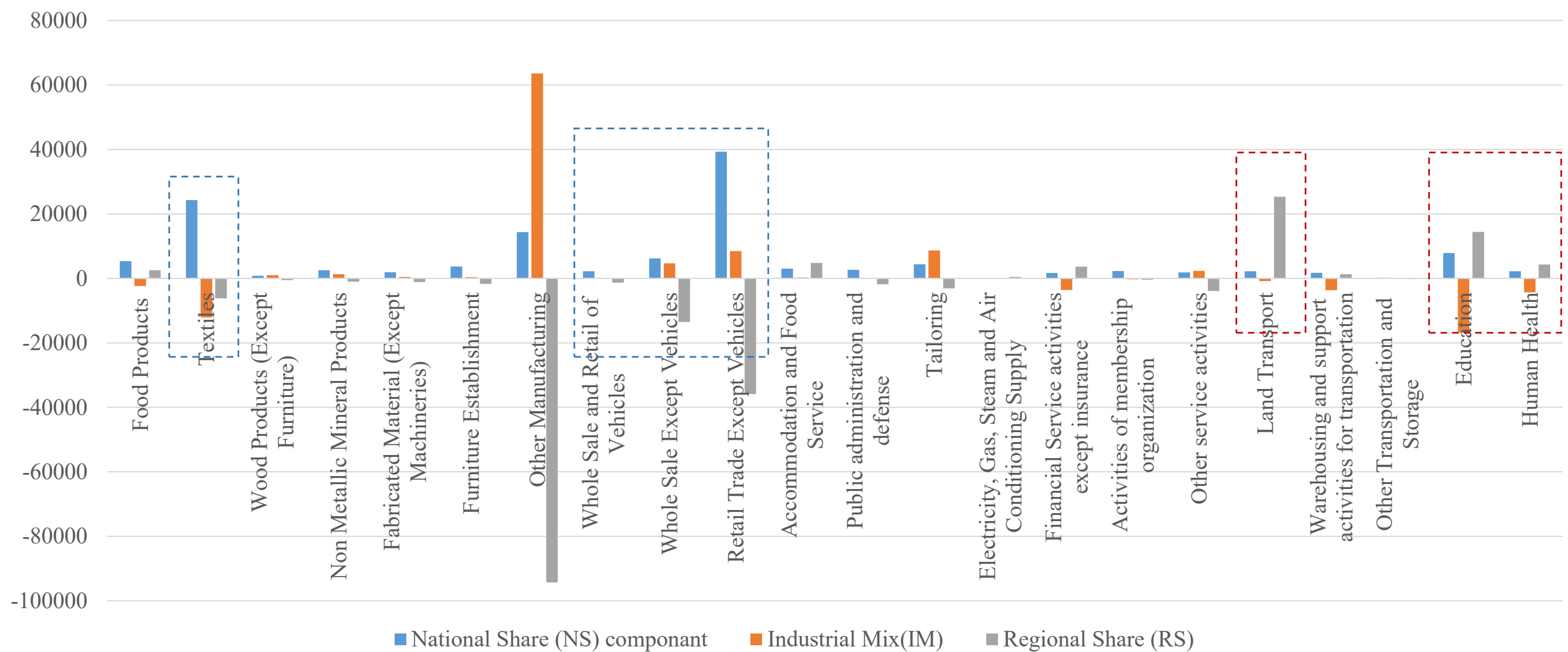
RS>IM Retail trade, Accommodation and food service, Transportation and storage, Education and Health

Comparison of NS, IM and RS of Chuadanga District



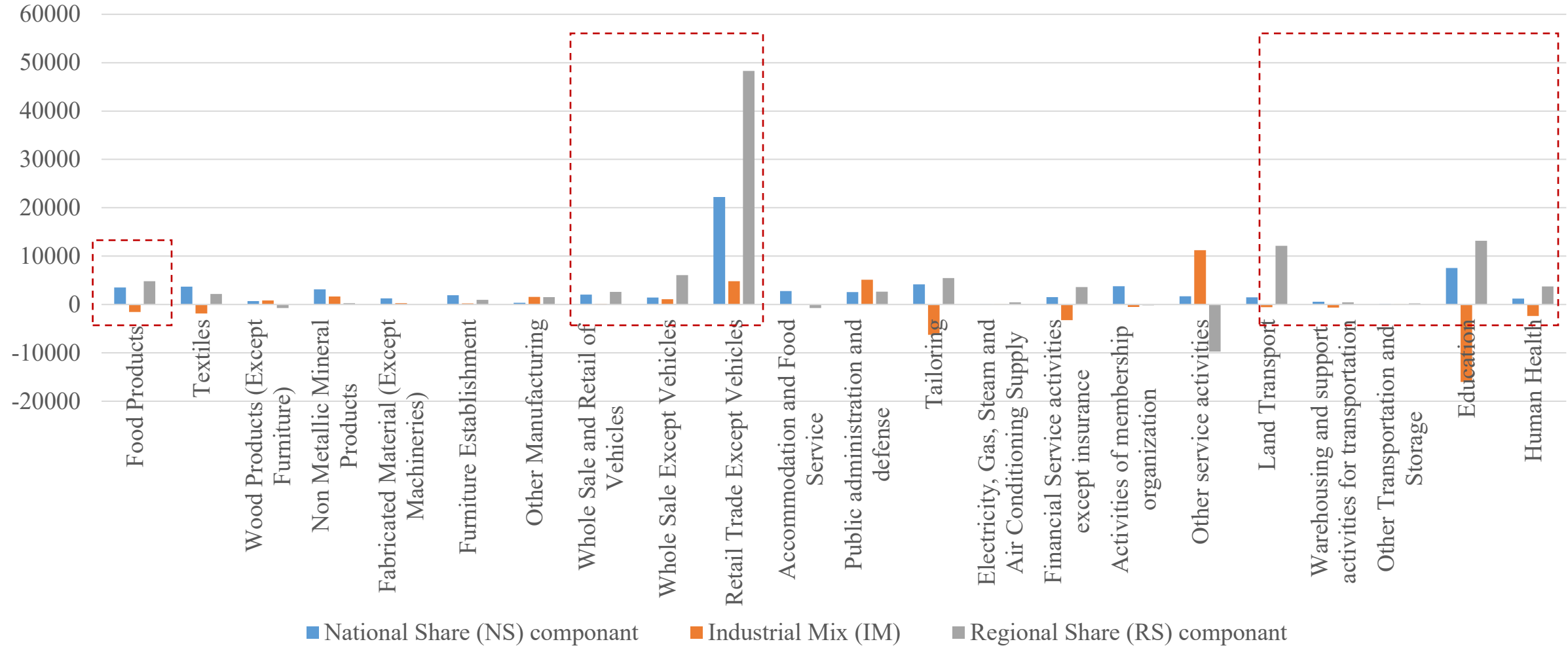
For Chuadanga district, majority of the sectors have higher RS value than IM, highlighting more locational advantage in this region.

Comparison of NS, IM and RS of Kushtia District



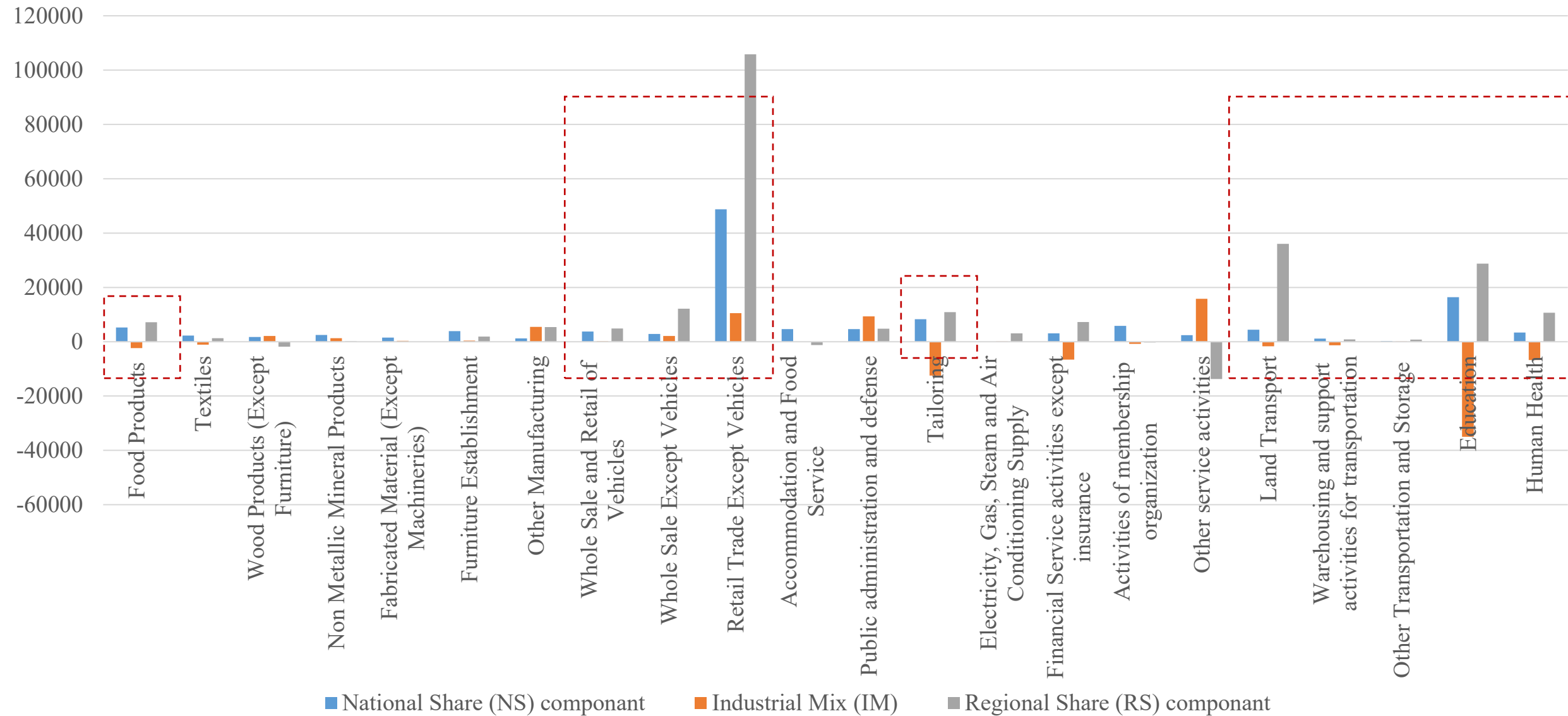
NS > IM and RS Textiles and Whole Sale and Retail RS > IM and NS Transport, Education and Health

Comparison of NS, IM and RS of Chapai Nawabganj District



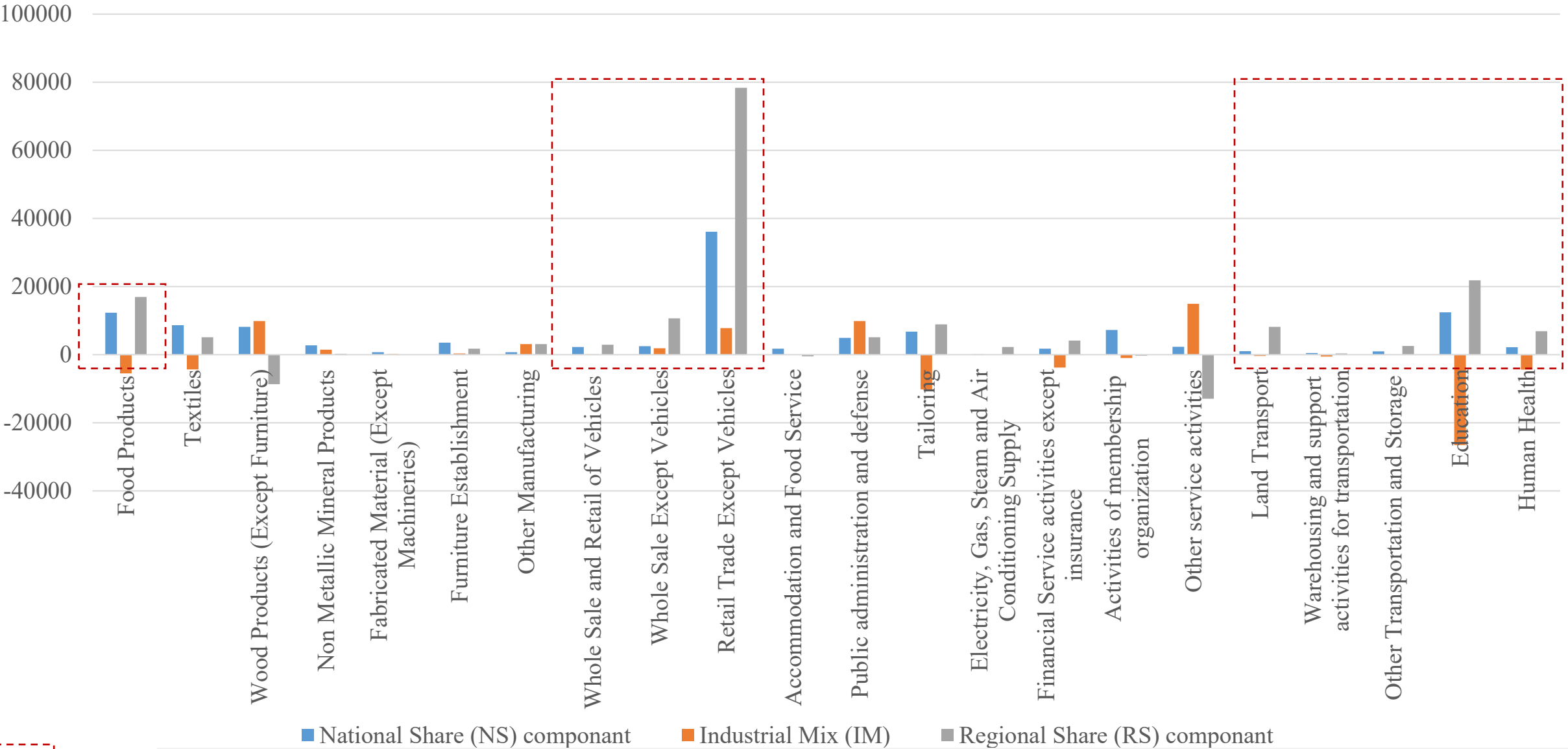
RS>IM Manufacturing of food products, Whole sale and retail, Transport, Education and Health

Comparison of NS, IM and RS of Rajshahi District



RS>IM Manufacturing of food products, Whole sale and retail, Tailoring Service, Transport, Education and Health

Comparison of NS, IM and RS of Naogaon District



RS > IM Manufacturing of food products, Whole sale and retail, Transport, Education and Health

Intra Regional Assessment Based on IM, RS, Net Shift Component: Meherpur

	IM(+)	IM(-)	Key findings
RS(+)	<ol style="list-style-type: none"> 1. Manufacturing of wood Products (Except furniture) 2. Non metallic mineral products 3. Fabricated material (Except machineries) 4. Furniture, establishment 5. Wholesale of vehicles 6. Wholesale (Except vehicles) 7. Retail trade except vehicles 8. Accommodation and food service 9. Tailoring 10. Electricity, Gas, steam and air conditioning supply 	<ol style="list-style-type: none"> 1. Manufacturing of food products 2. Land transport 3. Warehousing and support activities for transportation 4. Education 5. Human Health 6. Financial service activities (except insurance) 	<p>Manufacturing of wood Products - The homestead forests are the most highly productive forest and meet most of the demand of timber and fuel wood in the country (Hossain et al., 2017)</p>
RS(-)	<ol style="list-style-type: none"> 1. Other manufacturing 	<ol style="list-style-type: none"> 1. Textiles 2. Public administration and defense 3. Activities of membership organization 	<p>Public administration and defense- Left wing extremism had been active for a long time in Meherpur (SATP, 2003)</p>



Net Shift Negative



Net Shift Positive

Intra Regional Assessment Based on IM, RS, Net Shift Component: Chuadanga

	IM(+)	IM(-)	Key findings
RS(+)	<ol style="list-style-type: none"> 1. Manufacturing of wood Products (Except furniture) 2. Other manufacturing 3. Non metallic mineral products 4. Fabricated material (Except machineries) 5. Furniture, establishment 6. Wholesale of vehicles 7. Wholesale (Except vehicles) 8. Retail trade except vehicles 9. Accommodation and food service 10. Tailoring 11. Electricity, Gas, steam and air conditioning supply 	<ol style="list-style-type: none"> 1. Manufacturing of food products 2. Public administration and defense 3. Land transport 4. Warehousing and support activities for transportation 5. Education 6. Human Health 7. Financial service activities (except insurance) 8. Activities of membership organization 	<p>The net shift value of Major economic sectors (manufacturing, wholesale and retail, service activities) is positive due to locational advantage.</p> <ul style="list-style-type: none"> • West administrative boundary is surrounded by Mathabhanga river. • National Highway passed through the core of the city.
RS(-)	<ol style="list-style-type: none"> 1. Other manufacturing 	<ol style="list-style-type: none"> 1. Textiles 	<p>Textile- Global recession, unfavorable trade policies, high cost of production due to increase of energy cost (Islam et al., 2013)</p>



Net Shift Negative



Net Shift Positive

Intra Regional Assessment Based on IM, RS, Net Shift Component: Kushtia

	IM(+)	IM(-)	Key findings
RS(+)	<ol style="list-style-type: none"> Accommodation and food service (Hotel and Restaurants) Electricity, Gas, steam and air conditioning supply 	<ol style="list-style-type: none"> Manufacturing of food products Land transport Warehousing and support activities for transportation Education Human Health 	<p>Accommodation and food service- more tourism significance due to Rabindranath Tagore's residence in Kuthibari (BBS, 2011).</p> <p>Manufacturing of food products produce a large number of rice in Khajanagor by Auto rice mills (BBS,2011) and It has also a big commercial area named BISIC SHILPONOGORY, (BBS,2011)</p> <p>Human Health lack government funds, qualified doctors and supply of medicines (Sobuj, 2022).</p>
RS(-)	<ol style="list-style-type: none"> Manufacturing of wood Products (Except furniture) Non metallic mineral products Fabricated material (Except machineries) Furniture, establishment Wholesale of vehicles Wholesale (Except vehicles) Retail trade except vehicles Tailoring 	<ol style="list-style-type: none"> Textiles Public administration and defense Activities of membership organization 	<p>Textiles-Drastic fall of handloom industry due to high price of textile yarn in Kushtia and lack of transporting facilities of goods. Craftsmen have migrated to bigger cities for economic opportunities. (Chowdhury, 2015)</p>



Net Shift Negative



Net Shift Positive

Intra Regional Assessment Based on IM, RS, Net Shift Component: Chapai-Nawabganj

	IM(+)	IM(-)	Key findings
RS(+)	<ol style="list-style-type: none"> 1. Non metallic mineral products 2. Furniture, establishment 3. Wholesale of vehicles 4. Wholesale (Except vehicles) 5. Retail trade except vehicles 6. Public administration and defense 7. Accommodation and food service 8. Tailoring 9. Electricity, Gas, steam and air conditioning supply 	<ol style="list-style-type: none"> 1. Manufacturing of food products 2. Land transport 3. Warehousing and support activities for transportation 4. Education 5. Human Health 6. Financial service activities (except insurance) 7. Manufacturing of wood Products (Except furniture) 	<p>Manufacturing of food products- Connectivity with Rajshahi is disrupted due to the affected regional highway (R680) (Quium and Hoque, 2002)</p>
RS(-)	<ol style="list-style-type: none"> 1. Fabricated material (Except machineries) 2. Other service activities 	<ol style="list-style-type: none"> 1. Textiles 2. Public administration and defense 3. Activities of membership organization 	<p>Public administration and defense- (13.6%) militants came from the Bangladeshi border district of Chapai Nawabganj, which runs a smuggling corridor with Indian district of Malda in West Bengal state (Ashraf and Islam , 2021)</p>



Net Shift Negative



Net Shift Positive

Intra Regional Assessment Based on IM, RS, Net Shift Component: Rajshahi

	IM(+)	IM(-)	Key findings
RS(+)	<ol style="list-style-type: none"> 1. Public administration and defense 2. Other manufacturing 3. Non metallic mineral products 4. Furniture, establishment 5. Wholesale of vehicles 6. Wholesale (Except vehicles) 7. Retail trade except vehicles 8. Tailoring 9. Electricity, Gas, steam and air conditioning supply 	<ol style="list-style-type: none"> 1. Manufacturing of food products 2. Textiles 3. Land transport 4. Warehousing and support activities for transportation 5. Education 6. Human Health 7. Financial service activities (except insurance) 	<p>Textiles- Due to the sericulture of Rajshahi, companies like Sopura Silk Mills Ltd. Are running their operations countrywide generating 15000 different kinds of jobs (Wadud, 2018)</p>
RS(-)	<ol style="list-style-type: none"> 1. Manufacturing of wood Products (Except furniture) 2. Fabricated material (Except machineries) 	<ol style="list-style-type: none"> 1. Accommodation and food service (Hotel and Restaurants) 2. Activities of membership organization 	<p>Accommodation and food service (Hotel and Restaurants)- No significant tourism activities.</p>



Net Shift Negative



Net Shift Positive

Intra Regional Assessment Based on IM, RS, Net Shift Component: Naogaon

	IM(+)	IM(-)	Key findings
RS(+)	<ol style="list-style-type: none"> 1. Non metallic mineral products 2. Furniture, establishment 3. Wholesale of vehicles 4. Wholesale (Except vehicles) 5. Retail trade except vehicles 6. Public administration and defense 7. Electricity, Gas, steam and air conditioning supply 8. Other manufacturing 	<ol style="list-style-type: none"> 1. Manufacturing of food products 2. Textiles 3. Tailoring 4. Land transport 5. Warehousing and support activities for transportation 6. Education 7. Human Health 8. Financial service activities (except insurance) 	<p>Textiles-Naogaon is appraised for their water quality for using in industrial usage which eventually lower the production cost of the textiles (Rahman et al., 2005)</p>
RS(-)	<ol style="list-style-type: none"> 1. Manufacturing of wood Products (Except furniture) 2. Fabricated material (Except machineries) 3. Other service activities 	<ol style="list-style-type: none"> 1. Accommodation and food service (Hotel and Restaurants) 2. Activities of membership organization 	<p>Hotel and Restaurants-Visitors' satisfaction depends on safety and security, destinations' attraction, food, required cost, favorable environment in Naogaon. Some of these factors are not up to the mark (Sardar et al., 2020)</p>



Net Shift Negative



Net Shift Positive

Intra regional Analysis

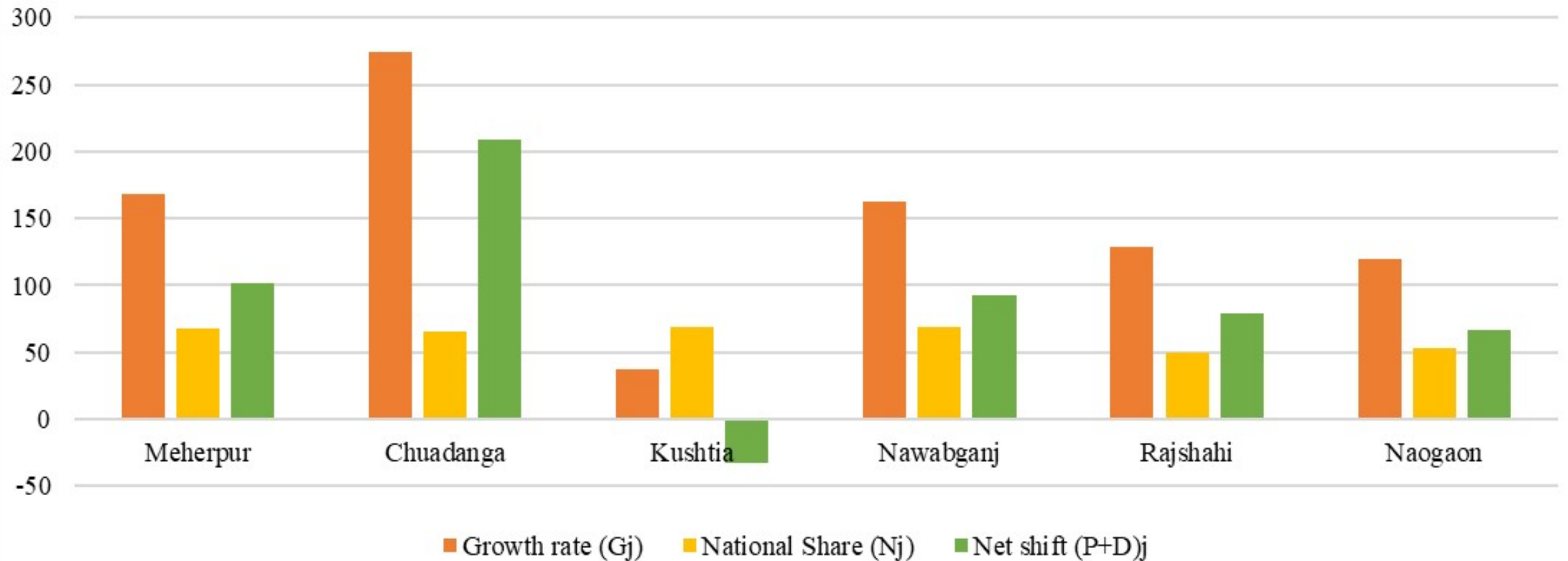
❑ Identification of Leading and Lagging Industries in the Districts Based on Regional Shift (RS) Component

Major Sector	Sub category	Meherpur	Chuadanga	Kushtia	Chapainawabganj	Rajshahi	Naogaon
Manufacturing	Food Products						
	Textiles						
	Wood Products (Except Furniture)						
	Non Metallic Mineral Products						
	Fabricated Material (Except Machineries)						
	Furniture Establishment						
	Other Manufacturing						
Wholesale and Retail	Whole Sale and Retail of Vehicles						
	Whole Sale Except Vehicles						
	Retail Trade Except Vehicles						
Service	Accommodation and Food Service						
	Public administration and defense						
	Tailoring						
	Electricity, Gas, Steam and Air Conditioning Supply						
	Financial Service activities except insurance						
	Activities of membership organization						
	Other service activities						
Transportation and Storage	Land Transport						
	Warehousing and support activities for transportation						
	Other Transportation and Storage						
Education							
Human Health							

	Leading Industry
	Lagging Industry

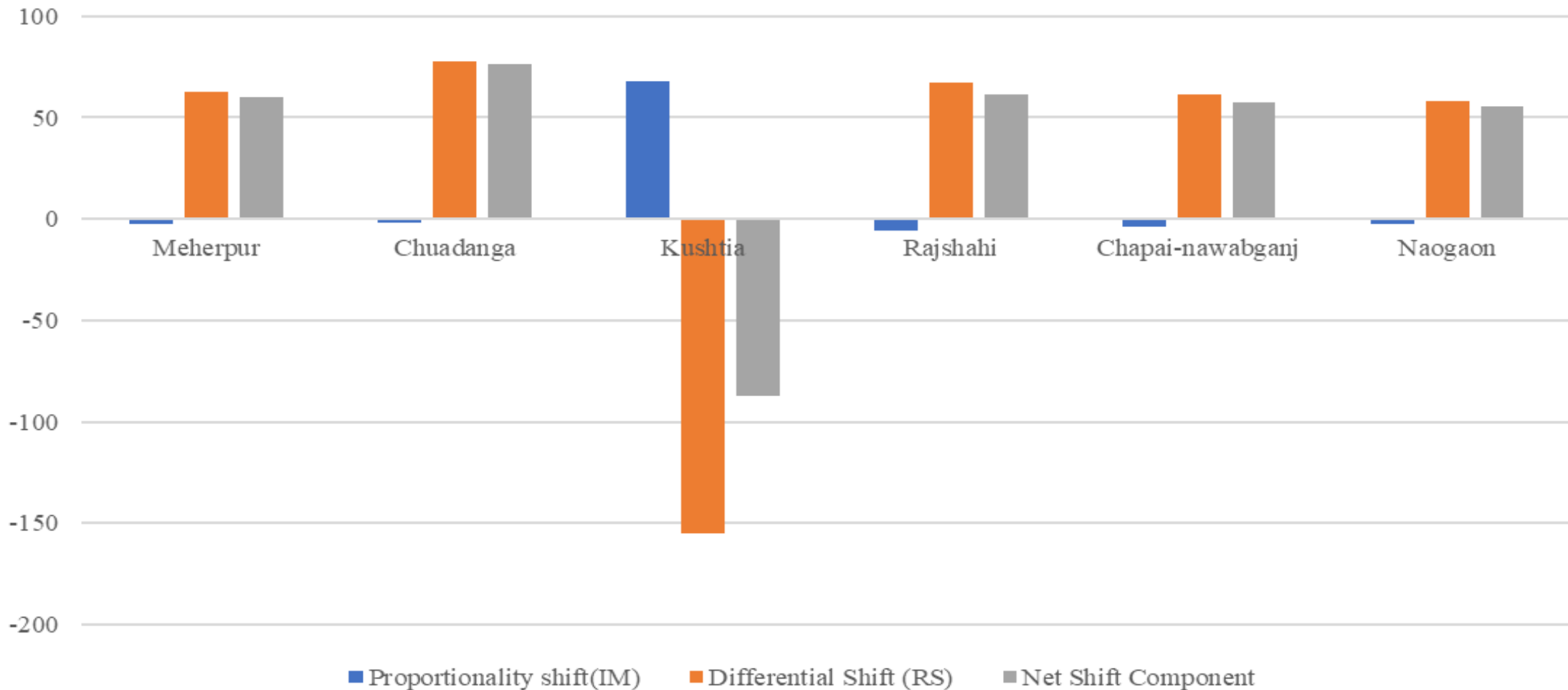
Inter Regional Analysis

Comparison Among Disricts on the Basis of N_j , G_j and $(P+D)_j$



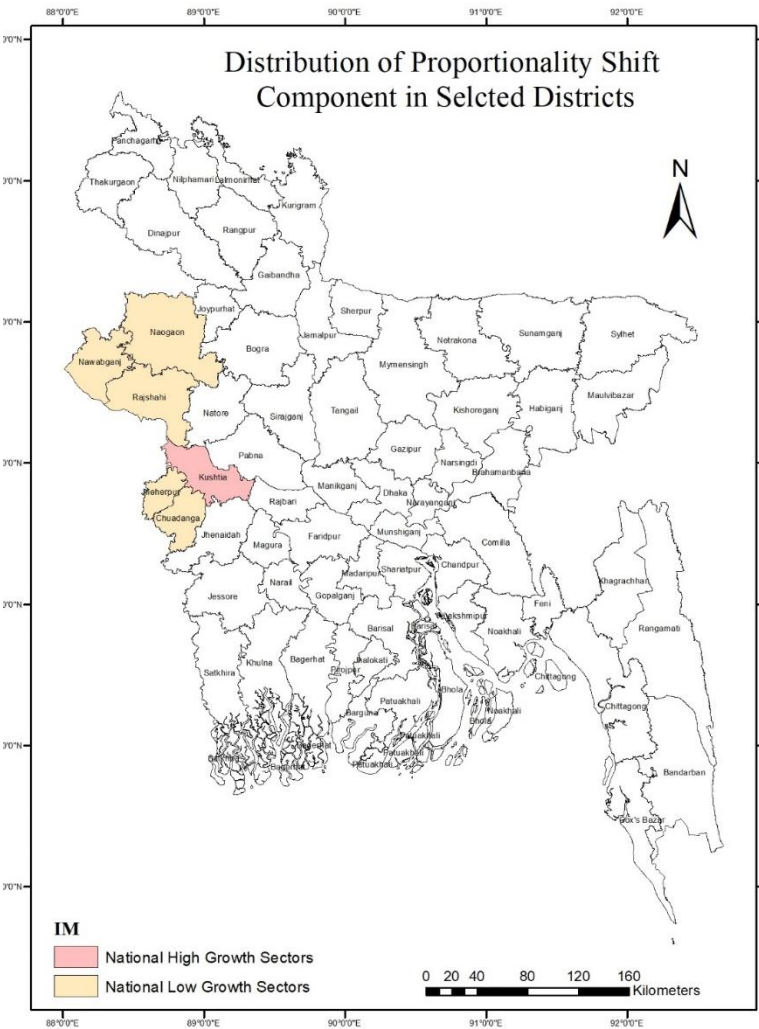
Inter Regional Analysis

Comparison among Districts on Basis of Proportionality Shift, Differential Shift and Net Shift Component

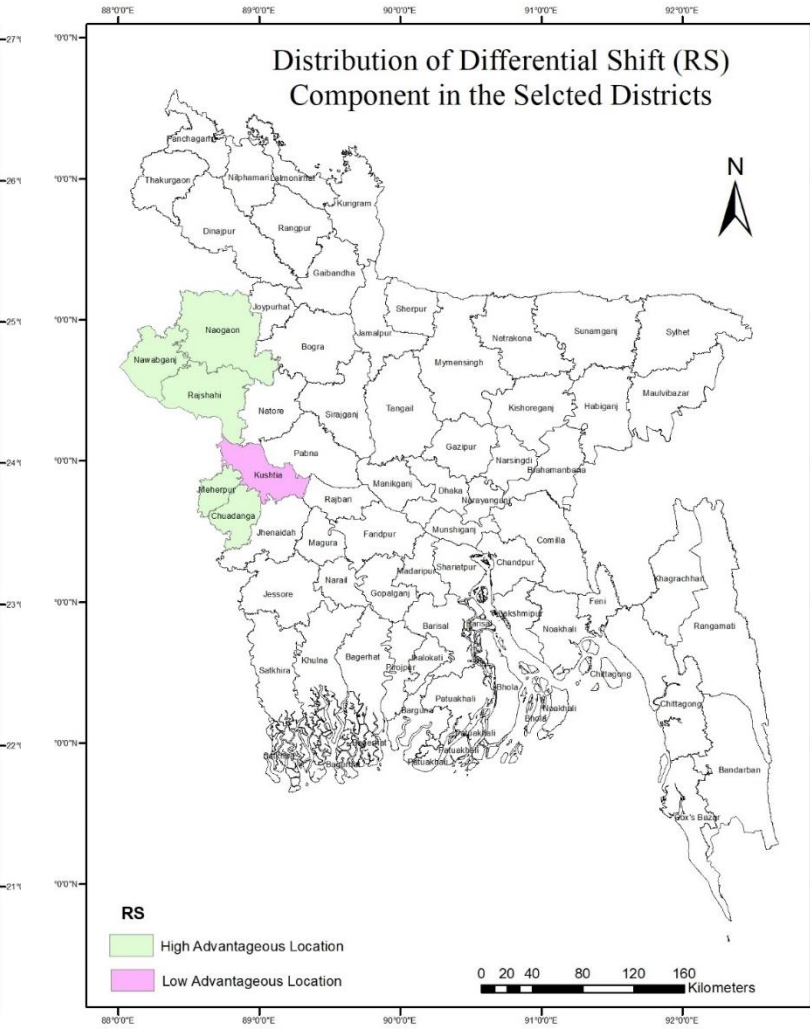


Inter Regional Analysis

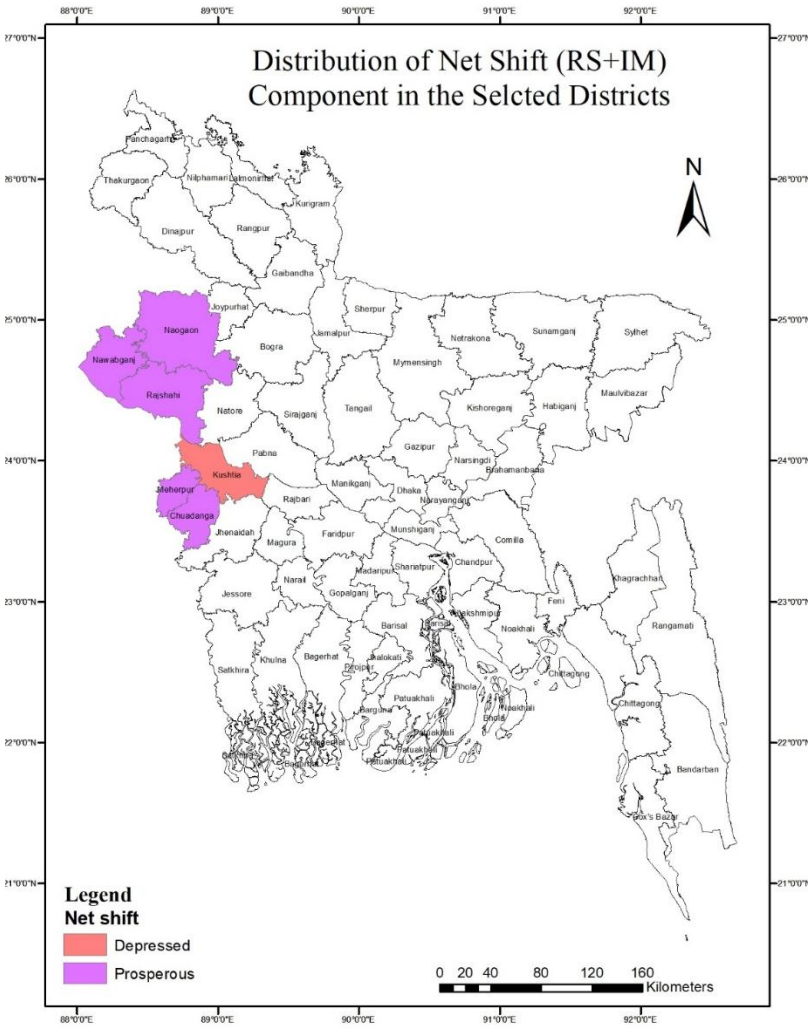
Identification of Districts with Nationally Growing Sectors



Identification of Districts with Advantageous Location



Identification of Districts with Prosperous Sectors



Recommendation

Sector	Recommendations	Districts
Public administration and defense	Need to be more well organized and rapid action efficiency	Meherpur, Kushtia, Chapai-nawabganj
Textiles	Favorable trade policies and subsidies for the input materials of textiles.	Meherpur, Kushtia, Chapainawabganj, Chuadanga
Accommodation and food service (Hotel and Restaurants)	Facilities need to be enhanced for flourishing the tourism sector	Rajshahi and Naogaon
Land Transport	Regional connectivity should be well developed to support economic activities.	Chapai Nawabganj, Rajshahi, Naogaon, Meherpur
Human Health	Government fund should be increased for health facilities.	Kushtia
Education	More budget allocation for educational institutions.	Meherpur, Kushtia, Chapainawabganj, Naogaon

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