

NAME: AAMIR JAN KHAN

ROLL NUMBER: SP17-BSI-017

SUBMITTED TO: SIR RAUF UR RAHIM

ASSIGNMENT QUESTIONS:

➤ **Parts:**

1. Trax pays daily payment, BlueX pays on weekly basis
2. If customers denies, trax can send the send shipment to another address without any extra charges, where blueX send it to origin and charges extra 30 Rs.
3. It seems BlueX has more coverage of cities than Trax

➤ **Questions:**

1. Which Company is best in quick delivery?
2. Which Company is best in Main, Tehsil and Villages?
3. Which Company offers more Cities (Main, Tehsil, Villages)?
4. Which Company is more expensive?
5. In which scenario which company should be preferred?
6. Which company is good according to each province?
7. With your analysis of above questions and P1, P2, P3 what you suggest which one is better in terms of quick deliveries, main areas & site area coverages and little expensive? How company can improve itself?
8. You are free to make the question 8 by yourself and answer it?

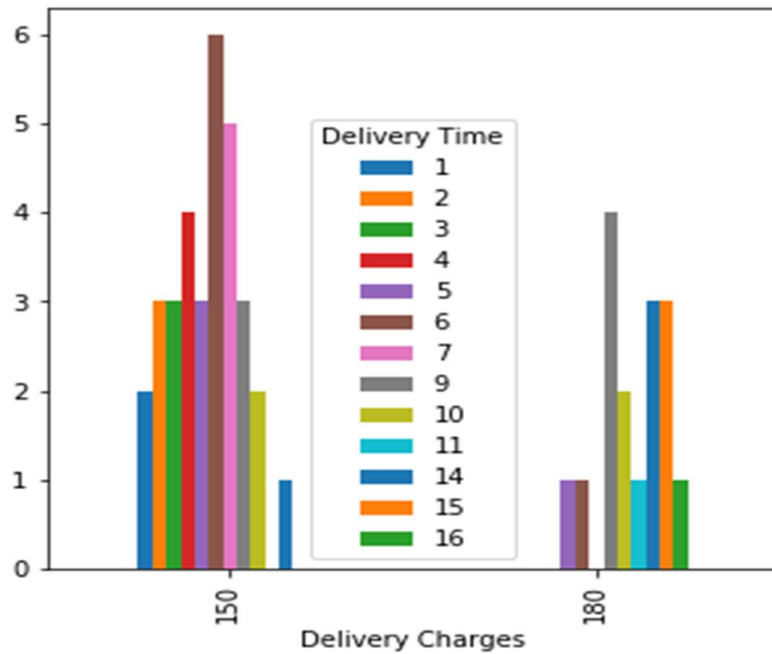
➤ **N:**

1. Prove your answer with the help of charts
2. Use percentage in analysis along with actual number
3. You are free to have your Opinion. But prove it in the light of stats.

▪ **Which Company is best in quick delivery?**

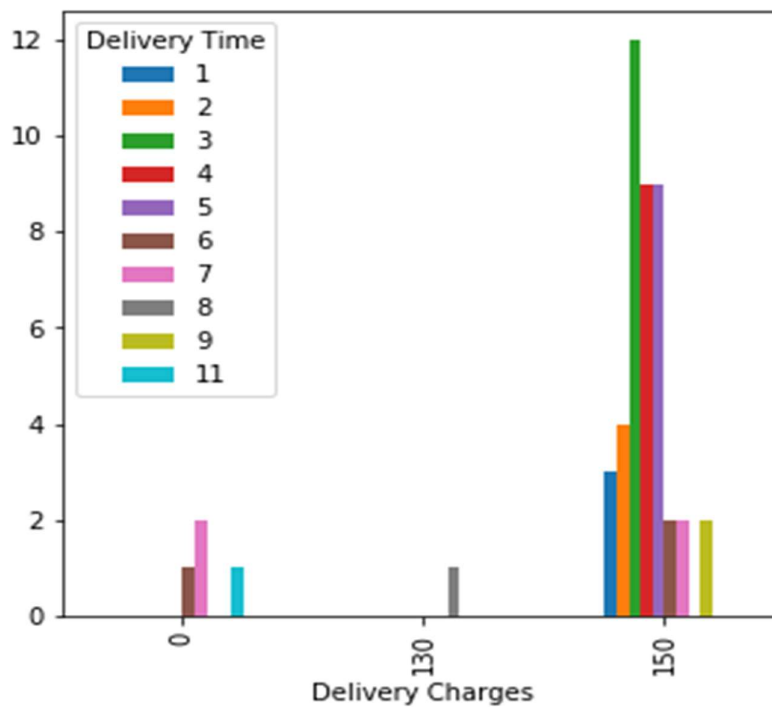
If we analyze the performance of BLUEX in provinces we can observe following results:

Mean: 7.47 days



Similarly, if we observe the performance of TRAX in provinces we can observe following results:

Mean: 4.966 days



Conclusion:

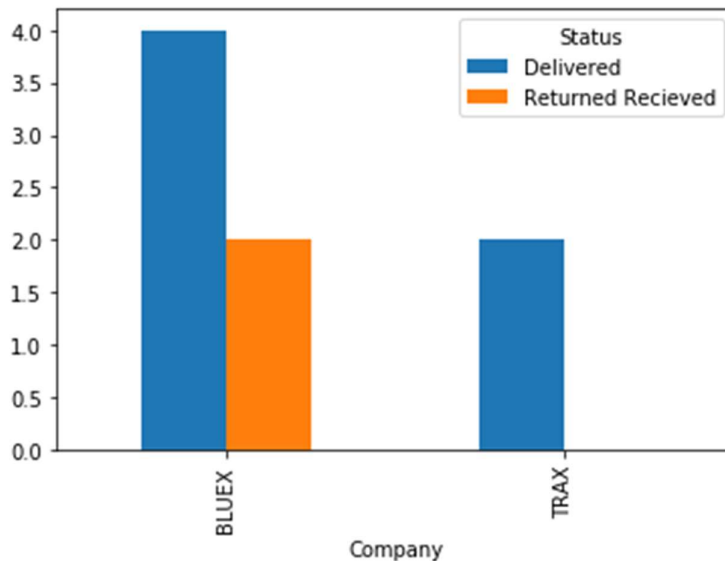
Hence, we can deduce that TRAX is best in quick deliveries.

- **Which Company is best in Main, Tehsil and Villages?**

If we analyze the BLUEX and TRAX deliveries in Main, Tehsil and village we can get following results:

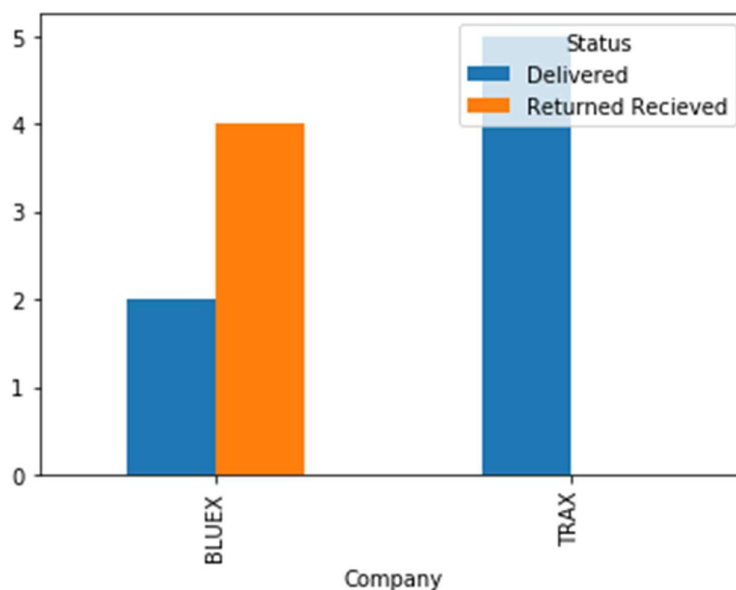
Village:

In Villages BLUEX is best because deliveries made are 4 and 2 deliveries are returned, whereas in the case of TRAX only 2 deliveries are made. Hence BLUEX is good in villages.



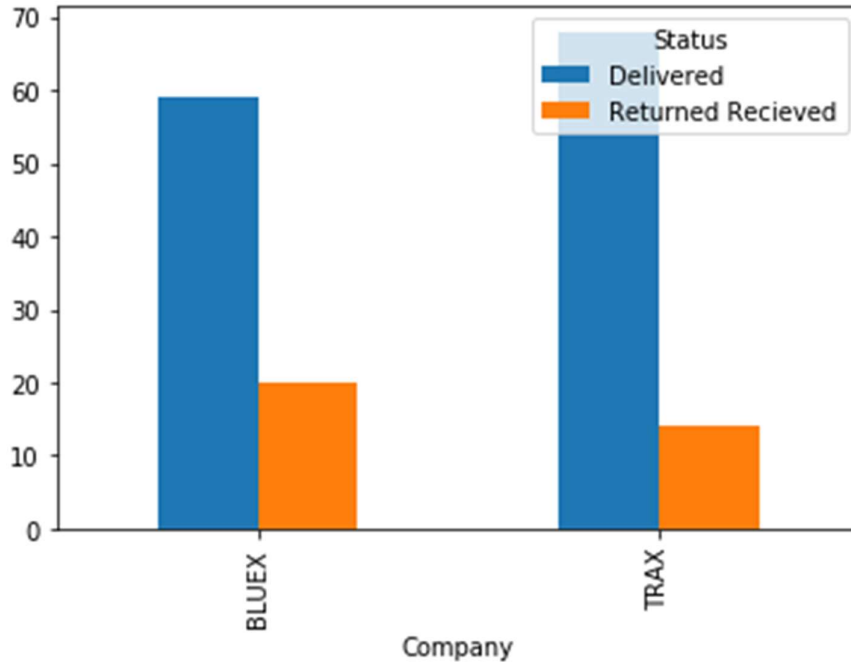
Tehsil:

In Tehsil we can observe that BLUEX made 2 deliveries only and 4 deliveries were returned, whereas TRAX delivered 5 products and no there were no returns. Hence TRAX is best in Tehsils.



Main:

In main we can say see that BLUEX made 60 deliveries and 20 deliveries were returned. Whereas in the case of TRAX we can observe that approximately 70 deliveries were made and only 15 were returned. Hence we can deduce that TRAX is good in Main cities.



Deliveries made by BLUEX Area wise:

	Delivery Time			Delivery Charges		
	min	max	mean	min	max	mean
Area						
Main	1	16	7.177215	150	180	157.594937
Tehsil	6	14	9.666667	150	180	170.000000
Village	3	15	9.166667	150	180	160.000000

Deliveries made by TRAX Area wise:

	Delivery Time			Delivery Charges		
	min	max	mean	min	max	mean
Area						
Main	1	14	4.939024	0	150	130.731707
Tehsil	3	7	5.000000	150	150	150.000000
Village	3	9	6.000000	150	150	150.000000

TRAX is better in delivery time in Main, Villages and Tehsils.

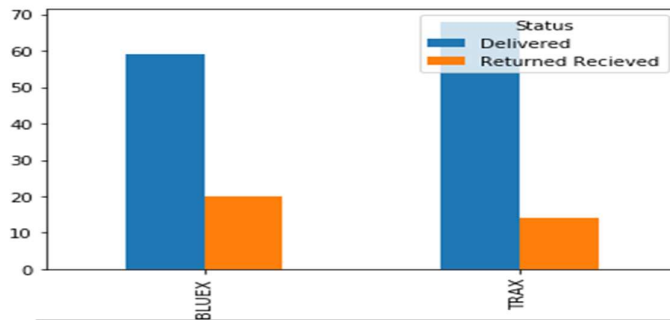
Which Company offers more Cities (Main, Tehsil, Villages)?

BLUEX offers 55 cities

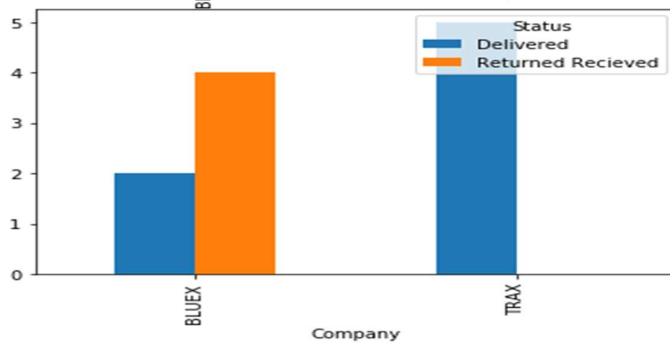
['Muzzaffargarh', 'Dera Murad Jamal', 'Hub Chowki', 'Quetta', 'Islamabad', 'Buneir', 'D.i.khan', 'Dargai', 'Mardan', 'Peshawar', 'Swabi', 'Attock', 'Bahawalpur', 'Basirpur', 'Depalpur', 'Dinga', 'Dultala', 'Faisalabad', 'Gojra', 'Gujranwala', 'Gujrat', 'Hafizabad', 'Hasilpur', 'Jampur', 'Kamalia', 'Khanpur', 'Kot Radha Kidhen', 'Lahore', 'Mamukanjan', 'Mandi Bahudin', 'Multan', 'Narang Mandi', 'Nawab Shah', 'Rawalpindi', 'Sahiwal', 'Sargodha', 'Satrah Sandhuan', 'Shahdadpur', 'Shakargarr', 'Sheikhupura', 'Sialkot', 'Talagang', 'Taxila', 'Toba Tek Singh', 'VEHARI', 'Wah Cantt', 'Zahir Peer', 'Hyderabad', 'Hydrabad', 'Jamshoro', 'Karachi', 'karachi', 'Larkana', 'Makli Thatta', 'Sadiq Abad']

TRAX offers 24 cities

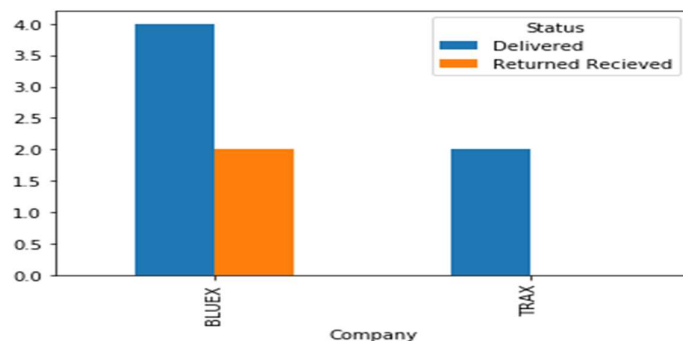
['Muzafarabad', 'Mansehra', 'Nowshera', 'Rustam', 'Shabqadar Charsada', 'Ahmed Pur East', 'Ali Pur', 'Arifwala', 'Bhalwal', 'Daska', 'Dina', 'Jaranwala', 'Jhang', 'Kasur', 'Mureedkay', 'Okara', 'Rajanpur', 'Sadra', 'Sambrial Sialkot', 'Samundri', 'Tandliwala', 'Ghotki', 'Sanghar', 'Tando Allahyar']



Main cities



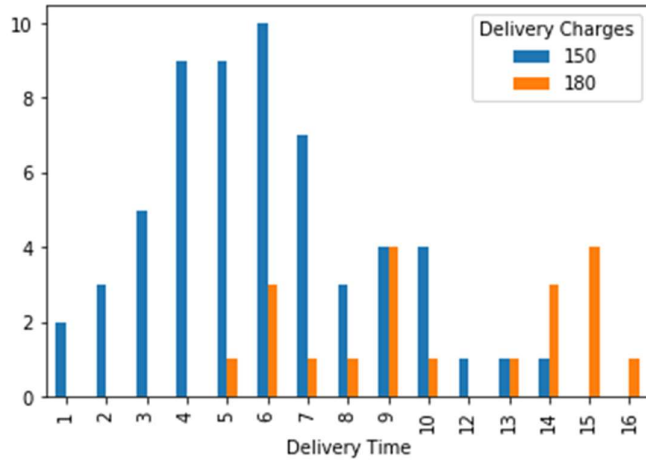
Tehsil



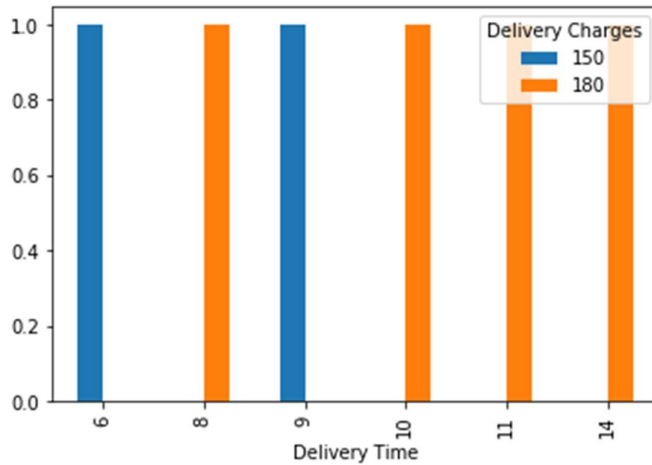
Villages

▪ **Which Company is more expensive?**

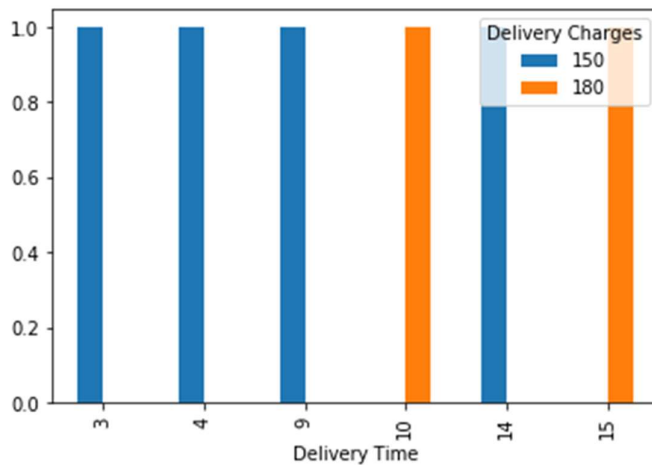
Delivery charges of BLUEX in various areas:



Main cities delivery charges of BLUEX company.

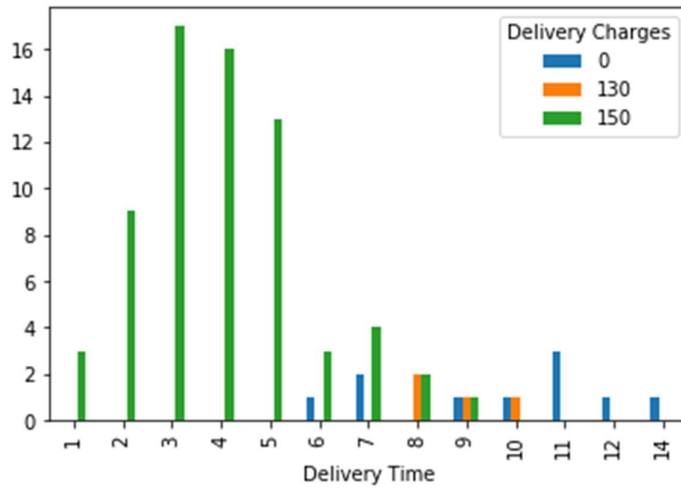


Tehsil delivery charges of BLUEX company.

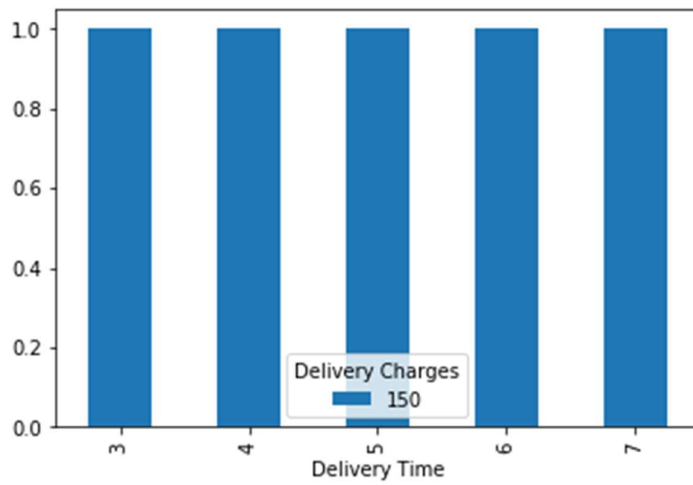


Village delivery charges of BLUEX company.

Delivery charges of TRAX in various areas:



Main cities delivery charges of TRAX company.



Tehsil delivery charges of TRAX company.



Village delivery charges of TRAX company.

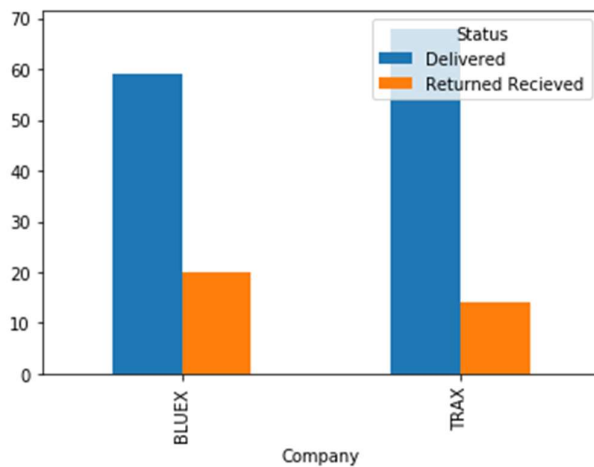
Conclusion:

BLUEX Delivery Charges			
	min	max	mean
Area			
Main	150	180	157.594937
Tehsil	150	180	170.000000
Village	150	180	160.000000

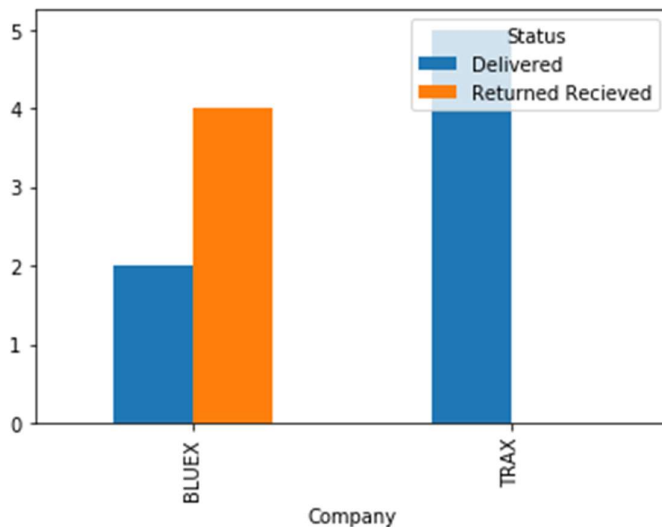
TRAX Delivery Charges			
	min	max	mean
Area			
Main	0	150	130.731707
Tehsil	150	150	150.000000
Village	150	150	150.000000

Hence BLUEX is more expensive then TRAX

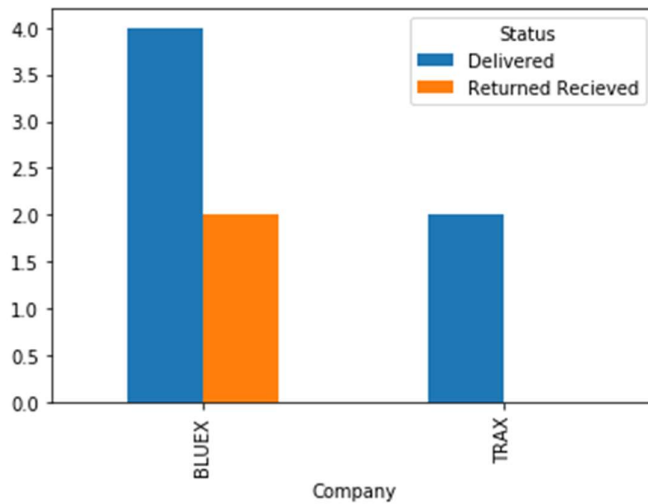
- In which scenario which company should be preferred?



As we can see that TRAX is delivering more orders in main cities whereas BLUEX is delivering a little less order in the main cities. But somehow both are delivering approximately same amount of orders. We can prefer TRAX as orders returned are less as compare to BLUEX.



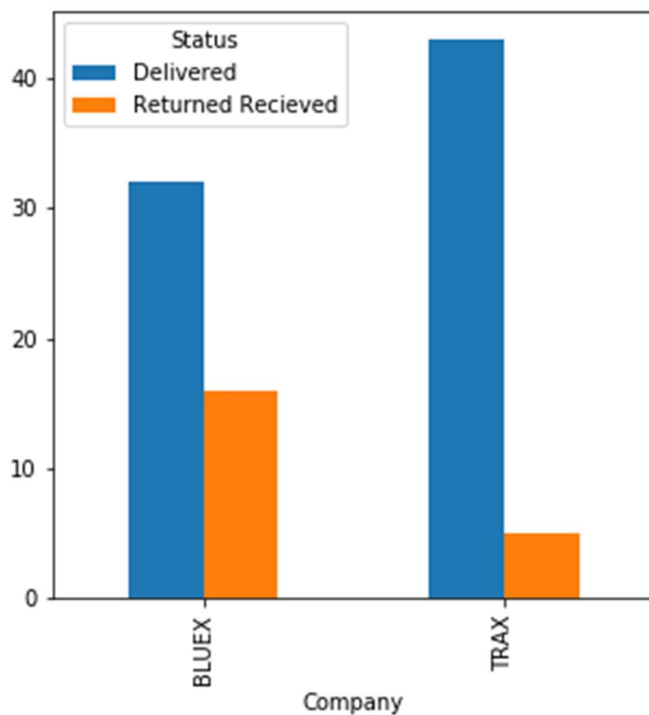
As we can see in Tehsil TRAX is delivering more orders and returned orders are none. So, we will prefer TRAX in Tehsils.



Here we can see that in villages BLUEX is delivering more orders as compared to TRAX hence we will choose BLUEX for remote areas like villages.

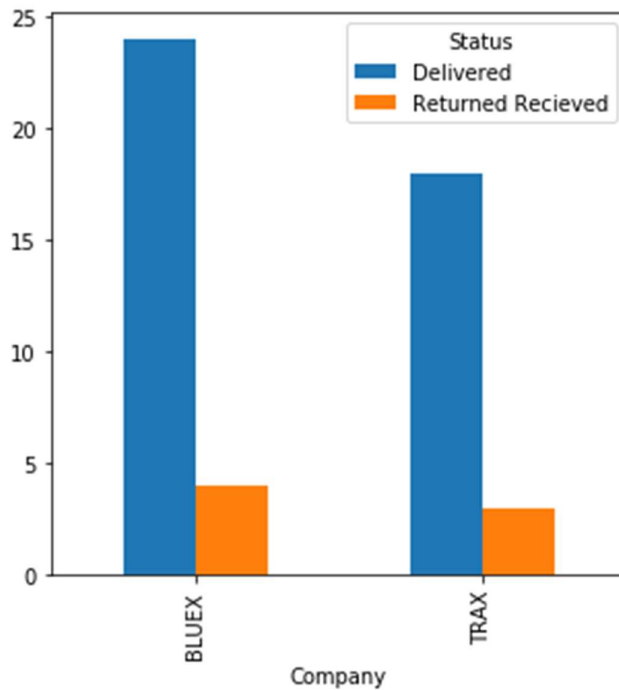
- **Which company is good according to each province?**

First, we will visualize Punjab Province:



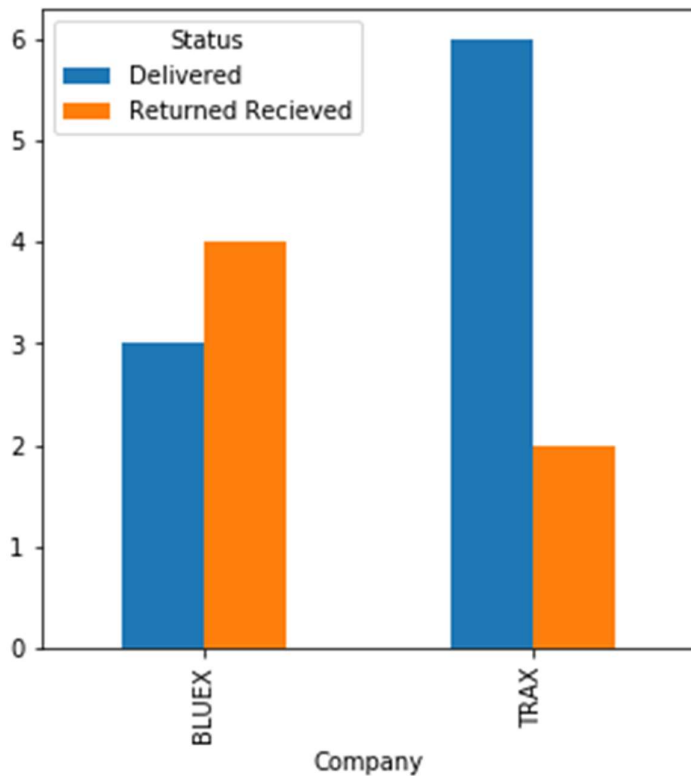
We can see that in Punjab TRAX is delivering maximum orders with minimum amount of return, hence TRAX is better in Punjab.

Second, we will visualize Sindh Province:



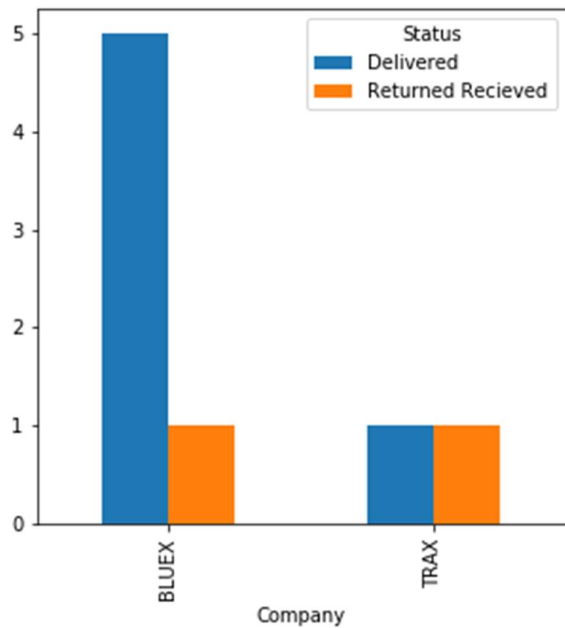
We can see that in Sindh BLUEX is delivering more orders and returning less orders, as compared to TRAX which is delivering less orders.

Third, we will visualize KPK Province:



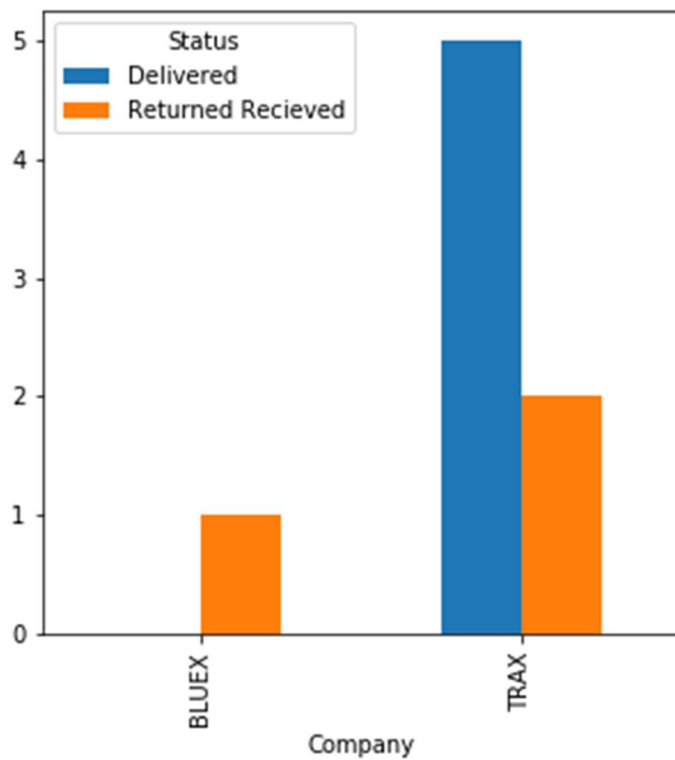
Here we can see that TRAX is delivering more orders and returning less hence TRAX is performing better in KPK.

Fourth, we will visualize Baluchistan Province:



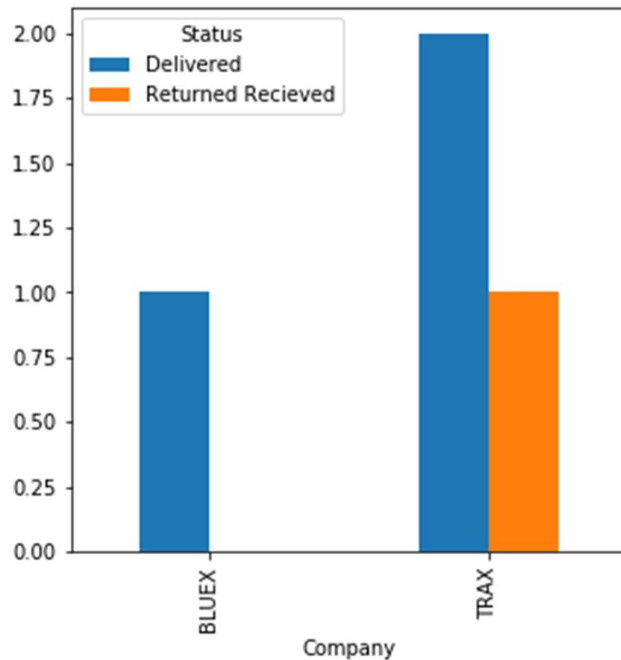
BLUEX is far more better in Baluchistan as compared to TRAX.

Fifth, we will visualize Capital Province:



In Capital TRAX is best is delivering orders whereas BLUEX delivered no orders.

Sixth, we will visualize AJK Province:



Here we can see that TRAX is delivering 2 orders, but 1 order is returned, whereas, BLUEX is delivering only 1 order. Hence, we will prefer TRAX in the KPK province.

- **With your analysis of above questions and P1, P2, P3 what you suggest which one is better in terms of quick deliveries, main areas & site area coverages and little expensive? How company can improve itself?**
 1. BLUEX is delivering orders in Main in approx. 7 days, tehsil in approx. 9 days, and Village in approx. 9 days. Whereas, TRAX is delivering orders in Main in approx. 5 days, Tehsil in approx. 5 days and Village in approx. 6 days. Hence, TRAX is fast in delivering orders.
 2. BLUEX is charging in Main approx. 157 rupees, in tehsil approx. 170 rupees, and in Village approx. 160 rupees. Whereas, TRAX is charging in Main approx. 130 rupees, in Tehsil approx. 150 rupees and in Village approx. 150 rupees. Hence, TRAX is fast in delivering orders as well as less expensive.
 3. We can prove it by following table:

PTO

Deliveries made by BLUEX Area wise:

	Delivery Time			Delivery Charges		
	min	max	mean	min	max	mean
Area						
Main	1	16	7.177215	150	180	157.594937
Tehsil	6	14	9.666667	150	180	170.000000
Village	3	15	9.166667	150	180	160.000000

Deliveries made by TRAX Area wise:

	Delivery Time			Delivery Charges		
	min	max	mean	min	max	mean
Area						
Main	1	14	4.939024	0	150	130.731707
Tehsil	3	7	5.000000	150	150	150.000000
Village	3	9	6.000000	150	150	150.000000