

Creating a Workflow in FoodChain-Lab 2

Task

1

2

3

4

5

6

7

8

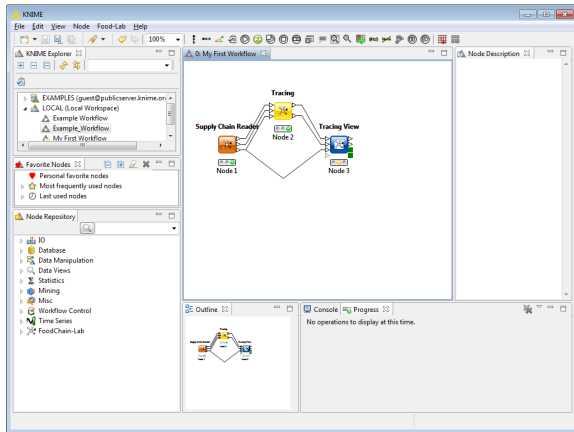
9

10

11

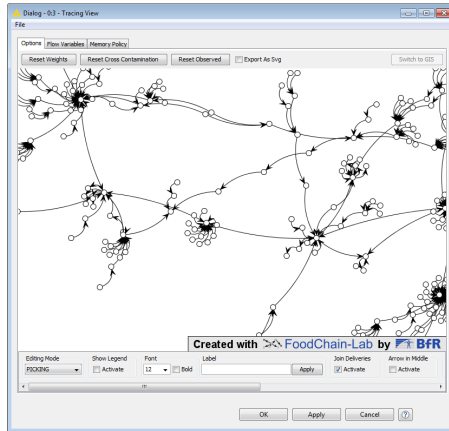
12

- Use the **Tracing View** to display the delivery graph in a clearly arranged way.
- Apply the **Default Highlighting** to color the graph.
- Visualize the backward and forward trace for an arbitrary station.



- This is the second part of the tutorial.
- You can either do the first part to create this workflow or download it from https://github.com/SiLeBAT/BfR0penLabResources/raw/master/GitHubPages/workflows/My_First_Workflow.zip.
- Double click on the **Tracing View** to open its dialog.

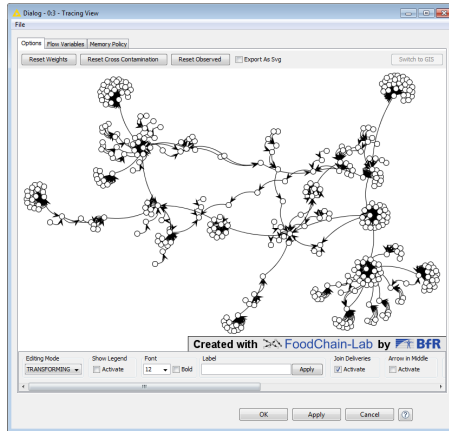
Task



- When you open the **Tracing View** for the first time, you will notice that the layout process is taking place (stations are moving).

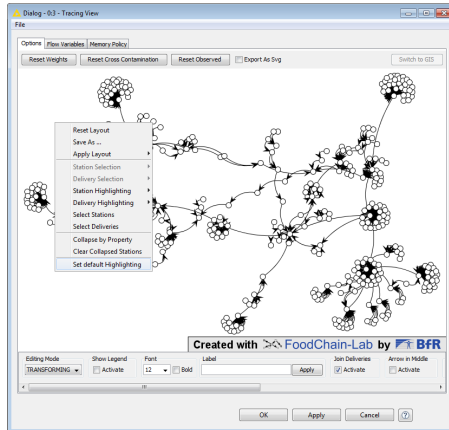
Task

1
2
3
4
5
6
7
8
9
10
11
12

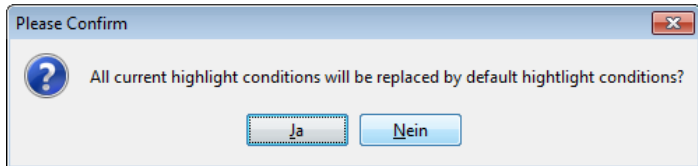


- After the layouting is done, select "TRANSFORMING" as **Editing Mode** and zoom out till you can see the whole graph (zooming works as in Google Maps).

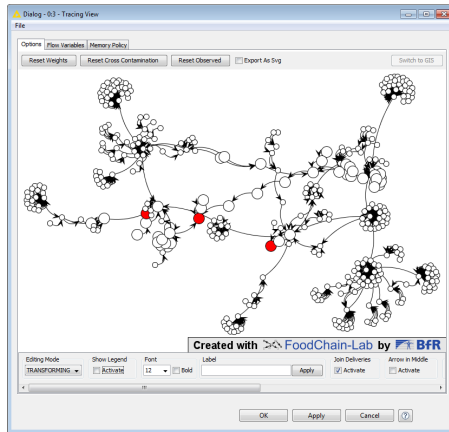
Task



- Right click in the graph to open the context menu and select **Set default Highlighting**.
- Highlighting uses colors and sizes to visualize certain properties of stations/deliveries.

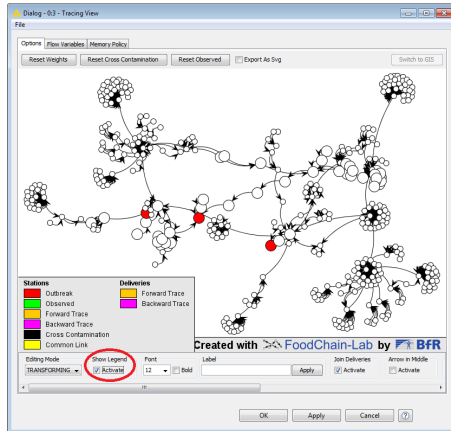


- In the confirm dialog select **Yes**.



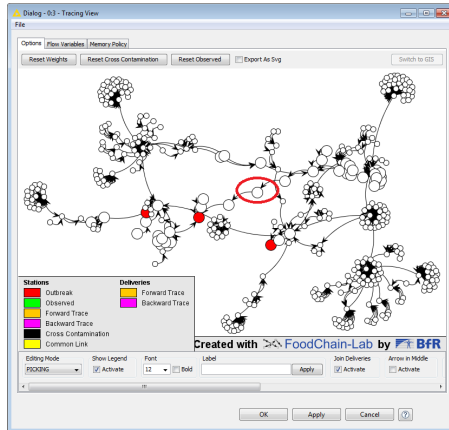
- You will notice, that three stations are colored red now and some stations increased in size.
- The red stations are the supermarkets, where set the weight to "1".
- The size of each station is based on its "Score".

Task



- Activate **Show Legend** to get a legend for the used colors.

Task



- Now we can observe a station to see its delivery trace.
- Set "PICKING" as **Editing Mode** and double click on any station.
- We clicked on the station in the red circle.

Task

1

2

3

4

5

6

7

8

9

10

11

12

Properties

Input

Weight: 0.0

CrossContamination: ☐

Observed: ☐

Tracing

Score: 0.3333333333333333

Backward: false

Forward: false

ID: 1520226534

node: Station 156

Street:

HouseNumber:

ZIP:

City: Strasbourg

District:

Country: Alace

Country: FR

VAT:

type of business: Supplier (unspecified)

Number Cases:

Date start:

Date peak:

Date end:

Serial: 242244245246247990991992

SimpleSupplier: false

DeadStart: false

DeadEnd: false

IdMeta:

OK Cancel

- A dialog will pop up, that all attributes of the station.
- Additionally you can change "Weight", "Cross Contamination" and "Observed".

Task

1

2

3

4

5

6

7

8

9

10

11

12

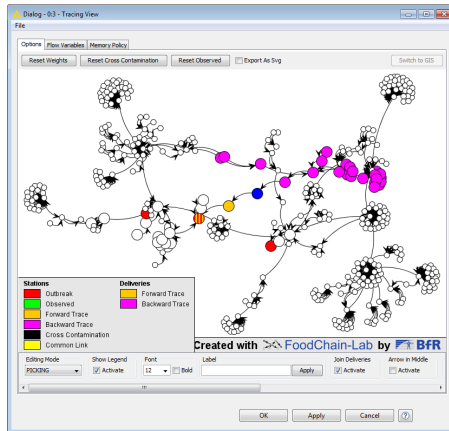
The screenshot shows a 'Properties' dialog box with the following fields and values:

- Input:**
 - Weights: 0.0
 - CrossContamination: ☐
 - Observed: ☒
- Tracing:**
 - Score: 0.3333333333333333
 - Backward: false
 - Forward: false
- Location:**
 - ID: 152026534
 - node: Station 156
 - Street:
 - HouseNumber:
 - ZIP:
 - City: Strasbourg
 - District:
 - Country: Alsace
 - Country: FR
 - VAT:
 - type of business: Supplier (unspecified)
 - Number Cases:
 - Date start:
 - Date peak:
 - Date end:
 - Serial: 242244245246247990591592
 - SimpleSupplier: false
 - DeadStart: false
 - DeadEnd: false
 - IsMeta:

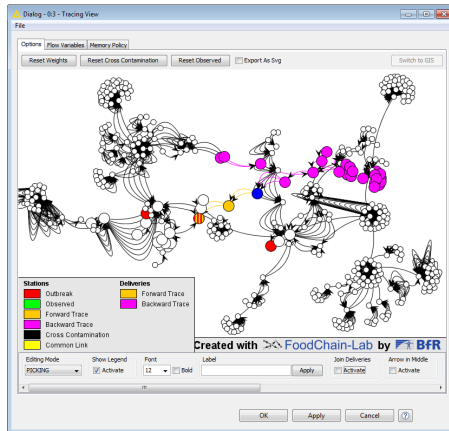
Buttons: OK, Cancel

- Select **Observed** and press **OK**.

Task



- All stations of the forward trace are orange-colored and the ones of the backward trace are purple.
- The deliveries are not colored, since the option **Join Deliveries** is activated.



- Deactivate **Join Deliveries** to see each delivery as a single arrow.
- The single deliveries are also colored now, if they are on the forward or backward trace.