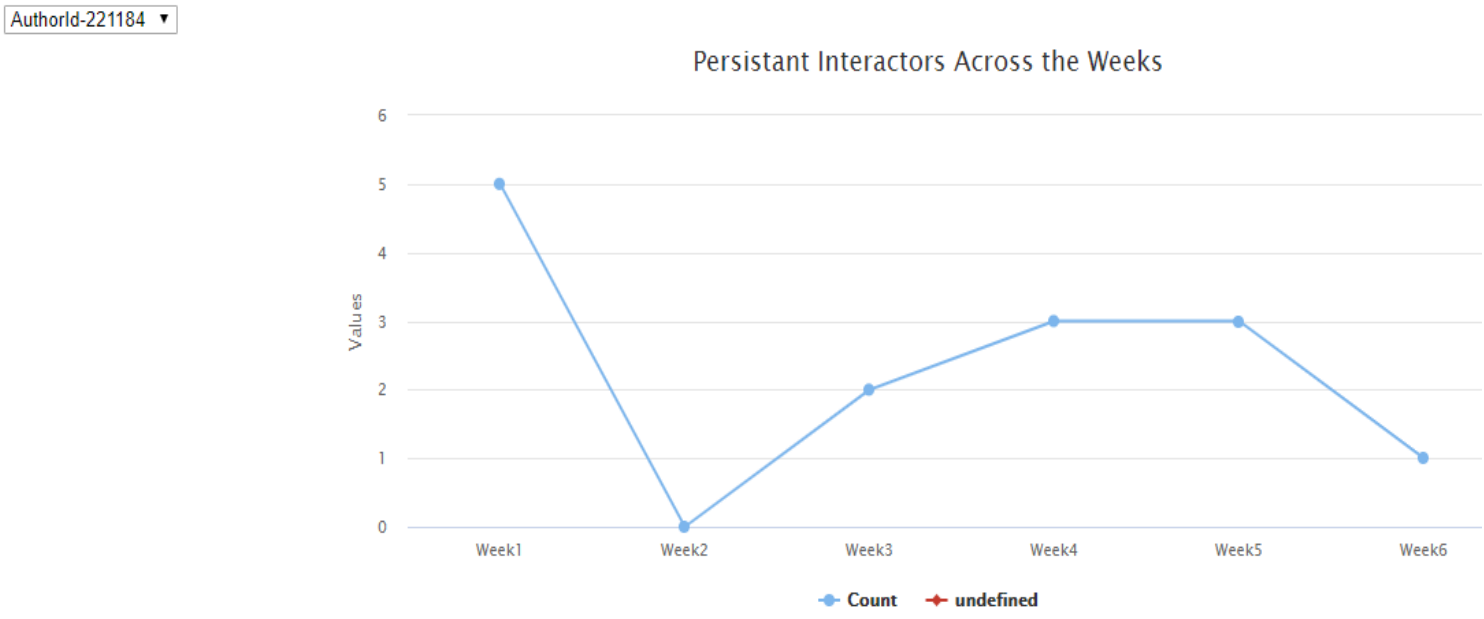
IIT-B MOOC ASSIGNMENT

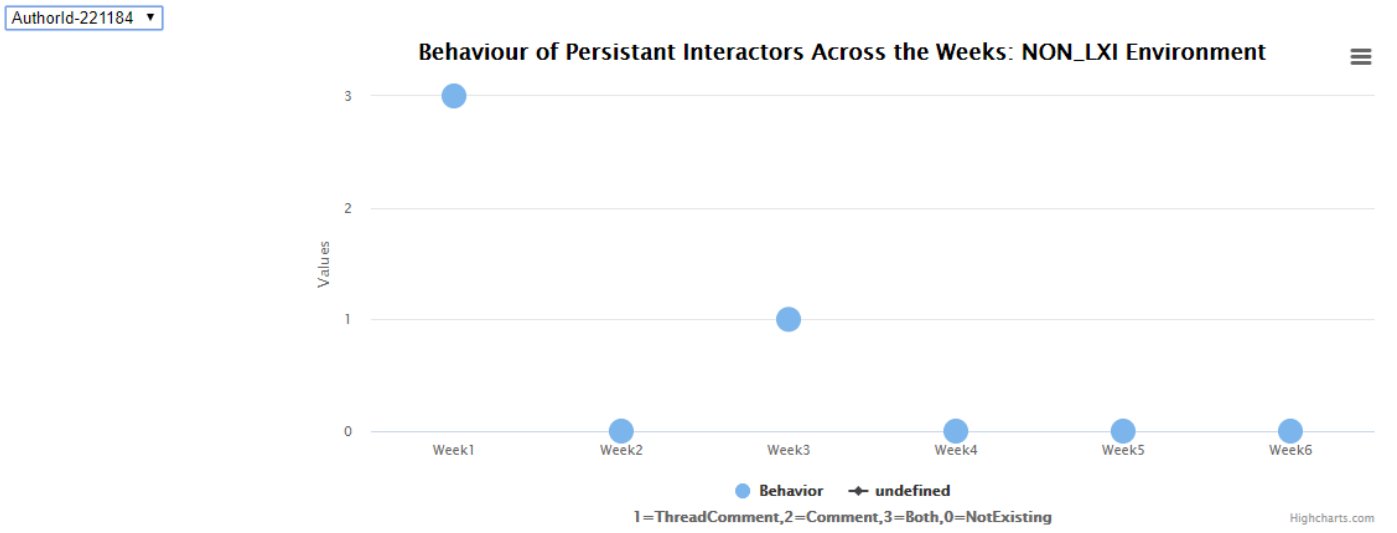
1. **Course Level View**
   Across 6 weeks of the course:
   (i) How frequently the persistent interactors were coming back across the weeks?
   (ii) Which category did they fall in:
      a. Only thread starters
      b. Commenters (who only commented but did not start a thread)
      c. Both

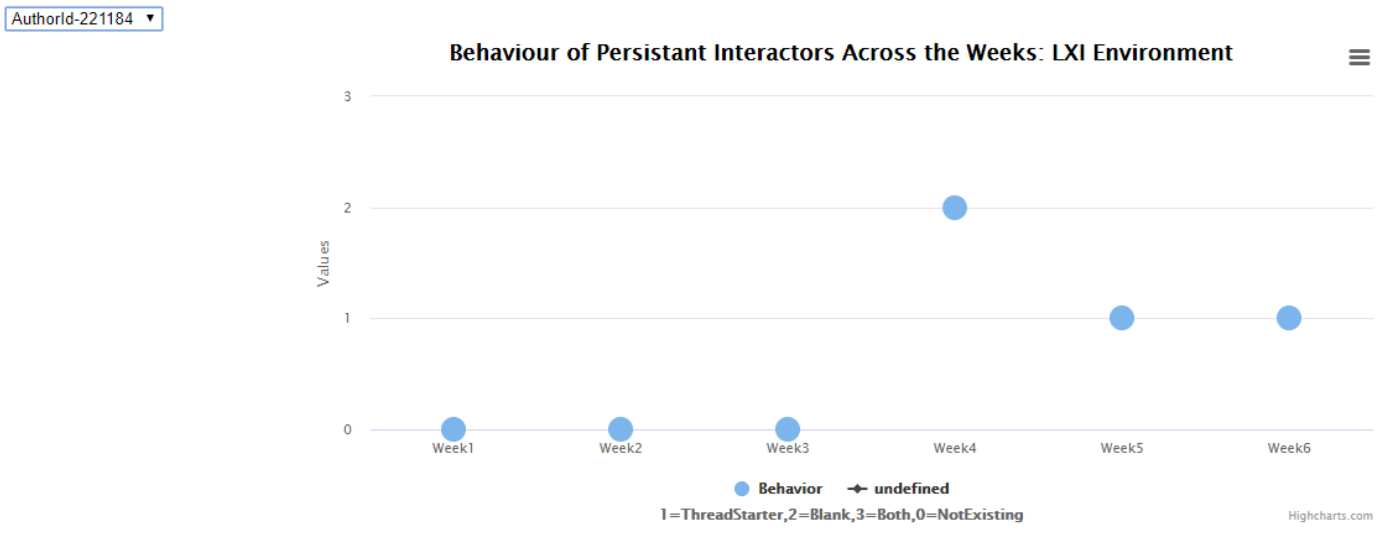
[ANS]
(i)



The above graph represents the count of a particular author_id in each week.
The graph shows how frequently a persistent interactor was coming back across the weeks.
The weeks are represented on the x-axis and the count value is represented is on the y-axis.
A drop down menu provided in the top left corner enables us to select the author_id for which we want to see the frequency for.
Data visualization is in the form of a line graph.
When you hover on the point, we get information about the week and the count of the author_id in that week.

(ii)





The above graphs represent the behaviour of a particular author_id in Non-LxI and LxI environment respectively.
The key to read the graph is provided at the bottom.
A drop down menu provided in the top left corner enables us to select the author_id for which we want to see the behaviour for.
When you hover on the point, we get information about the week and the behaviour of the author_id in that week.

2. **Weekly View**

LxI (Week 3 and Week 4)

In each week:

(i) How frequently the persistent interactors were coming back in the week?

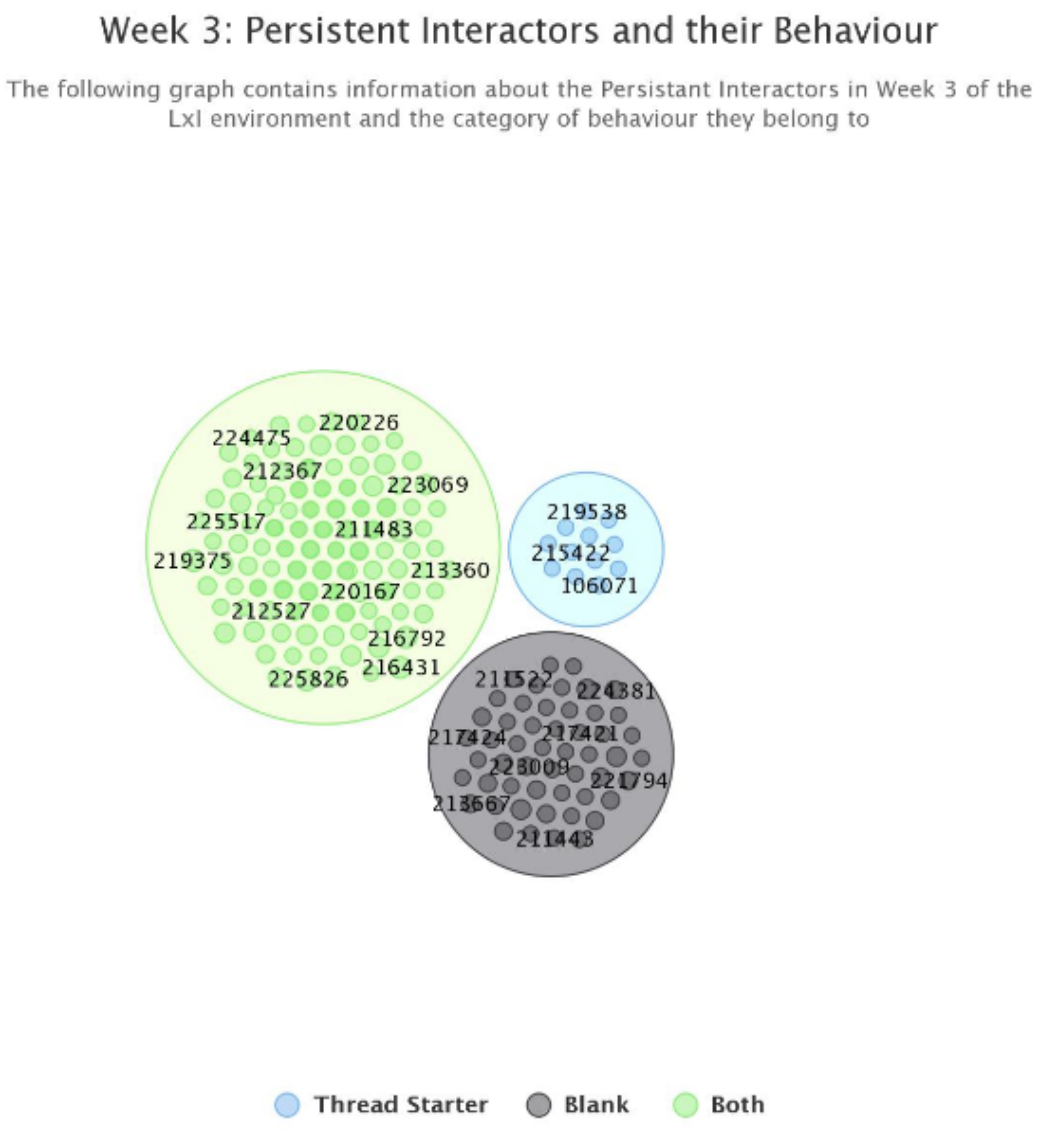
(ii) Which category did they fall in:

a. Only thread starters

b. Commenters (who only commented but did not start a thread)

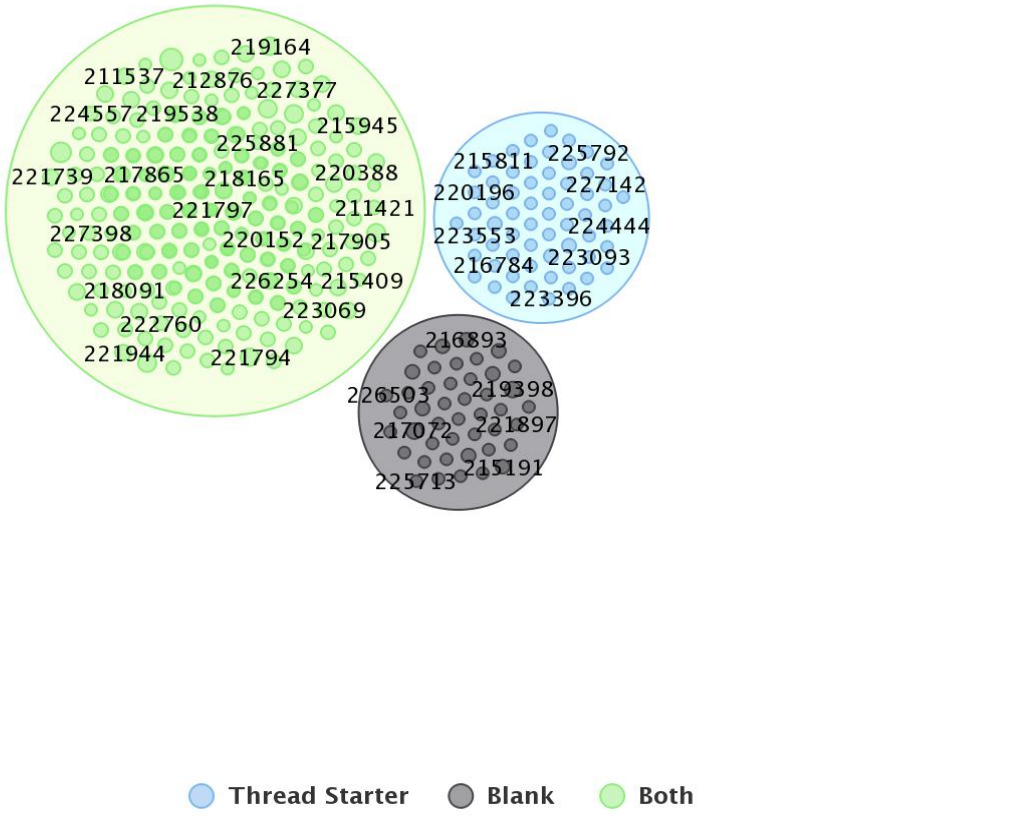
c. Both

[ANS]



Week 4: Persistent Interactors and their Behaviour

The following graph contains information about the Persistant Interactors in Week 4 of the LxI environment and the category of behaviour they belong to



The above two graphs represent LxI environment of Week 3 and Week 4 of the course
Data visualization is in the form of Bubble charts.
There are three main bubbles in the graph that represents the behaviours Thread Starter, Comment(represented as 'Blank') and Both.
Each behaviour is represented by different colours and the key is given at the bottom of the graph.
The author_ids that exhibit a particular behaviour are enclosed within the main bubble as sub bubbles.
The count/frequency of the persistent interactors as well as their behaviour is represented clearly in one graph.
When you hover on the bubble, we get the following information: author_id, frequency of the persistent interactor, count of thread started, count of comment.
Wherever the value is not applicable, it is represented as zero.

3. **Weekly View**

Non-LxI (Week 2 and Week 3)

In each week:

(i) How frequently the persistent interactors were coming back in the week?

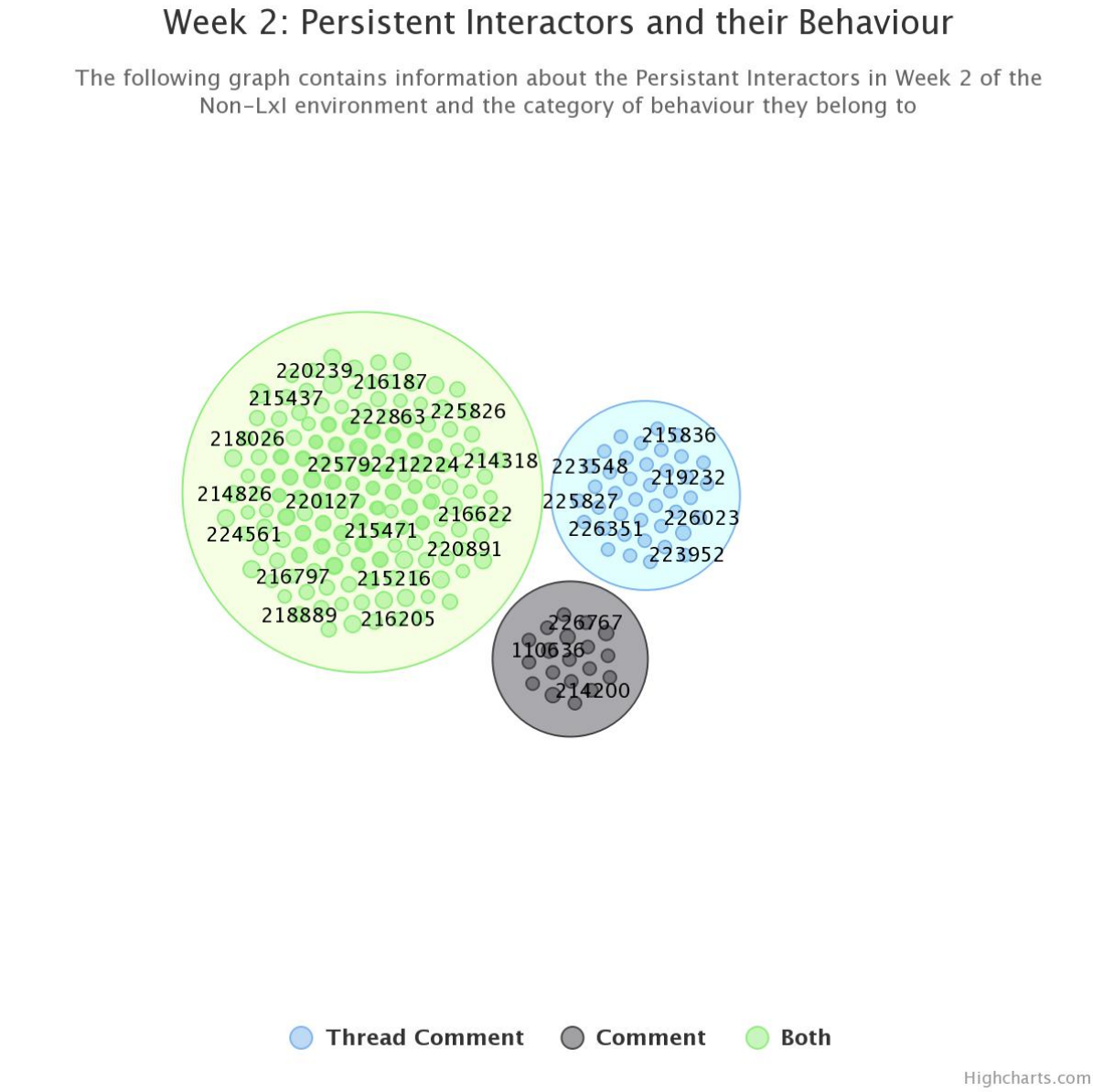
(ii) Which category did they fall in:

a. Only thread starters

b. Commenters (who only commented but did not start a thread)

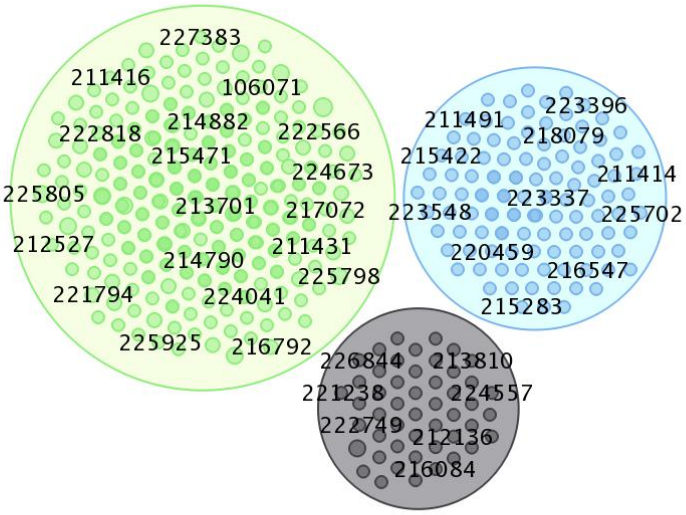
c. Both

[ANS]



Week 3: Persistent Interactors and their Behaviour

The following graph contains information about the Persistant Interactors in Week 3 of the Non-LxI environment and the category of behaviour they belong to



The above two graphs represent Non LxI environment of Week 2 and Week 3 of the course

Data visualization is in the form of Bubble charts.

There are three main bubbles in the graph that represents the behaviours Thread Comment, Comment and Both.

Each behaviour is represented by different colours and the key is given at the bottom of the graph.

The author_ids that exhibit a particular behaviour are enclosed within the main bubble as sub bubbles.

The count/frequency of the persistent interactors as well as their behaviour is represented clearly in one graph.

When you hover on the bubble, we get the following information: author_id, frequency of the persistent interactor, count of thread comment, count of comment.

Wherever the value is not applicable, it is represented as zero.