Test proposed functionality in issue:

Output of original way to extract ordered column:

```
   age_group
0   [40, 50)
1   [20, 30)
2   [50, 60)
3   [40, 50)
4   [30, 40)
5   [30, 40)
6   [40, 50)
7   [50, 60)
8   [40, 50)
9   [50, 60)
10  [50, 60)
11  [50, 60)
12  [30, 40)
13  [20, 30)
14  [30, 40)
15  [40, 50)
16  [40, 50)
17  [20, 30)
18  [30, 40)
19  [50, 60)
```

Updated extraction of ordered column:

```
   age_group
0   [40, 50)
1   [20, 30)
2   [50, 60)
3   [40, 50)
4   [30, 40)
5   [30, 40)
6   [40, 50)
7   [50, 60)
8   [40, 50)
9   [50, 60)
10  [50, 60)
11  [50, 60)
12  [30, 40)
13  [20, 30)
14  [30, 40)
15  [40, 50)
16  [40, 50)
17  [20, 30)
18  [30, 40)
19  [50, 60)
```

Test proposed functionality for unordered in issue:

Output of original way to extract unordered column:

```
   eye_color
0      brown
1      brown
2       blue
3      brown
4      brown
5       blue
6      brown
7       blue
8       blue
9       blue
10      blue
11     brown
12      blue
13     brown
14     brown
15      blue
16     brown
17      blue
18      blue
19      blue
```

Updated extraction of unordered column:

```
   eye_color
0      brown
1      brown
2       blue
3      brown
4      brown
5       blue
6      brown
7       blue
8       blue
9       blue
10      blue
11     brown
12      blue
13     brown
14     brown
15      blue
16     brown
17      blue
18      blue
19      blue
```

Test functionality for all columns in issue:

Output of original way to extract categorical columns:

```
   eye_color age_group
0      brown  [40, 50)
1      brown  [20, 30)
2       blue  [50, 60)
3      brown  [40, 50)
4      brown  [30, 40)
5       blue  [30, 40)
6      brown  [40, 50)
7       blue  [50, 60)
8       blue  [40, 50)
9       blue  [50, 60)
10      blue  [50, 60)
11     brown  [50, 60)
12      blue  [30, 40)
13     brown  [20, 30)
14     brown  [30, 40)
15      blue  [40, 50)
16     brown  [40, 50)
17      blue  [20, 30)
18      blue  [30, 40)
19      blue  [50, 60)
```

Updated extraction of categorical column:

```
   eye_color age_group
0      brown  [40, 50)
1      brown  [20, 30)
2       blue  [50, 60)
3      brown  [40, 50)
4      brown  [30, 40)
5       blue  [30, 40)
6      brown  [40, 50)
7       blue  [50, 60)
8       blue  [40, 50)
9       blue  [50, 60)
10      blue  [50, 60)
11     brown  [50, 60)
12      blue  [30, 40)
13     brown  [20, 30)
14     brown  [30, 40)
15      blue  [40, 50)
16     brown  [40, 50)
17      blue  [20, 30)
18      blue  [30, 40)
19      blue  [50, 60)
```

Test functionality for delegated as_unordered method:

Original Categories:

age_group categories was: `IntervalIndex([[20, 30), [30, 40), [40, 50), [50, 60)], dtype='interval[int64, left]')`

eye_color categories was: `Index(['blue', 'brown'], dtype='object')`

Exptected Output after remove which works on all columns:

age_group categories is: `Index([[20, 30), [30, 40), [40, 50), [50, 60), 0], dtype='object')`

eye_color categories is: `Index(['blue', 'brown', 0], dtype='object')`