duplicate n-gram detection

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aim:

flag data points that are part of a sequence that is present at least twice in a given data set.

sequence flagging:

- function generates n-grams for specified data, iteratively increasing the sequence length from the specified min_length until no more duplicate n-grams are present in the data
- data points that are part of an n-gram that is present in the data more than once are marked with an identifier specific to the sequence

please note:

- the function does not yet check for overlapping sequences within a specific n-gram length, i.e. a sequence "A A B A A B A" will count and mark n-gram "A A B A" as duplicated
- longer sequences will overwrite shorter sequences that they overlap with, i.e., in the above example, 3-gram "A B A" will be overwritten by 4-gram "A B A". If "A B A" occurs at a different position as well this may seem an 'orphan' sequence (because its brothers got overwritten by the 4-gram). Likewise, shorter n-grams may be only partly overwritten by a longer n-gram.

example usage in Raphaels data:

download from Raphaels github: https://github.com/rroyaute/Royaute-Pruitt-Ecology-2015-Data-and-Code/blob/master/Data%20files/Pardosa_mesocosm_activity_P_R.csv (https://github.com/rroyaute/Royaute-Pruitt-Ecology-2015-Data-and-Code/blob/master/Data%20files/Pardosa_mesocosm_activity_P_R.csv)

1: load data

· enter path to your datafile (csv format)

files/SequenceSniffing/Repeatability_long_P_R_Ssniff/Repeatability_long_P _R.csv get data

Search:

raw data:

· view can be expanded

Show 100 \$ entries

| | Pardosa_ID | Measurement | Activity | Size | duplicatedRow |
|---|------------|-------------|----------|------|---------------|
| 1 | 14 | 1 | 2 | 1.6 | false |
| 2 | 14 | 2 | 11 | 1.6 | false |
| 3 | 14 | 3 | 3 | 1.6 | false |
| 4 | 14 | 4 | 8 | 1.6 | false |
| 5 | 14 | 5 | 7 | 1.6 | false |
| 6 | 14 | 6 | 8 | 1.6 | false |
| 7 | 14 | 7 | 15 | 1.6 | false |
| 8 | 14 | 8 | 13 | 1.6 | false |
| 9 | 8 | 1 | 6 | 1.2 | false |

127.0.0.1:4736/sequenceSniffer.Rmd

| | Pardosa_ID | Measurement | Activity | Size | duplicatedRow |
|----|------------|-------------|----------|------|---------------|
| 10 | 8 | 2 | 2 | 1.2 | false |
| 11 | 8 | 3 | 7 | 1.2 | false |
| 12 | 8 | 4 | 8 | 1.2 | false |
| 13 | 8 | 5 | 16 | 1.2 | false |
| 14 | 8 | 6 | 21 | 1.2 | false |
| 15 | 8 | 7 | 6 | 1.2 | false |
| 16 | 8 | 8 | 8 | 1.2 | false |
| 17 | 19 | 1 | 6 | 1.6 | false |
| 18 | 19 | 2 | 10 | 1.6 | false |
| 19 | 19 | 3 | 11 | 1.6 | false |
| 20 | 19 | 4 | 7 | 1.6 | false |
| 21 | 19 | 5 | 3 | 1.6 | false |
| 22 | 19 | 6 | 8 | 1.6 | false |
| 23 | 19 | 7 | 5 | 1.6 | false |
| 24 | 19 | 8 | 17 | 1.6 | false |
| 25 | 7 | 1 | 8 | 1.6 | false |
| 26 | 7 | 2 | 21 | 1.6 | false |
| 27 | 7 | 3 | 24 | 1.6 | false |
| 28 | 7 | 4 | 25 | 1.6 | false |
| 29 | 7 | 5 | 13 | 1.6 | false |
| 30 | 7 | 6 | 9 | 1.6 | false |
| 31 | 7 | 7 | 15 | 1.6 | false |
| 32 | 7 | 8 | 8 | 1.6 | false |
| 33 | 9 | 1 | 12 | 1.4 | false |
| 34 | 9 | 2 | 14 | 1.4 | false |
| 35 | 9 | 3 | 6 | 1.4 | false |
| 36 | 9 | 4 | 7 | 1.4 | false |
| 37 | 9 | 5 | 22 | 1.4 | false |
| 38 | 9 | 6 | 8 | 1.4 | false |
| 39 | 9 | 7 | 3 | 1.4 | false |
| 40 | 9 | 8 | 11 | 1.4 | false |
| 41 | 10 | 1 | 13 | 1.3 | false |
| 42 | 10 | 2 | 16 | 1.3 | false |

| | Pardosa_ID | Measurement | Activity | Size | duplicatedRow |
|----|------------|-------------|----------|------|---------------|
| 43 | 10 | 3 | 17 | 1.3 | false |
| 44 | 10 | 4 | 7 | 1.3 | false |
| 45 | 10 | 5 | 5 | 1.3 | false |
| 46 | 10 | 6 | 20 | 1.3 | false |
| 47 | 10 | 7 | 19 | 1.3 | false |
| 48 | 10 | 8 | 15 | 1.3 | false |
| 49 | 12 | 1 | 13 | 1.1 | false |
| 50 | 12 | 2 | 13 | 1.1 | false |
| 51 | 12 | 3 | 12 | 1.1 | false |
| 52 | 12 | 4 | 17 | 1.1 | false |
| 53 | 12 | 5 | 18 | 1.1 | false |
| 54 | 12 | 6 | 6 | 1.1 | false |
| 55 | 12 | 7 | 8 | 1.1 | false |
| 56 | 12 | 8 | 11 | 1.1 | false |
| 57 | 1 | 1 | 14 | 1.4 | false |
| 58 | 1 | 2 | 20 | 1.4 | false |
| 59 | 1 | 3 | 21 | 1.4 | false |
| 60 | 1 | 4 | 16 | 1.4 | false |
| 61 | 1 | 5 | 20 | 1.4 | false |
| 62 | 1 | 6 | 23 | 1.4 | false |
| 63 | 1 | 7 | 17 | 1.4 | false |
| 64 | 1 | 8 | 18 | 1.4 | false |
| 65 | 11 | 1 | 14 | 1.8 | false |
| 66 | 11 | 2 | 12 | 1.8 | false |
| 67 | 11 | 3 | 17 | 1.8 | false |
| 68 | 11 | 4 | 18 | 1.8 | false |
| 69 | 11 | 5 | 16 | 1.8 | false |
| 70 | 11 | 6 | 17 | 1.8 | false |
| 71 | 11 | 7 | 18 | 1.8 | false |
| 72 | 11 | 8 | 11 | 1.8 | false |
| 73 | 3 | 1 | 15 | 1.5 | false |
| 74 | 3 | 2 | 11 | 1.5 | false |
| 75 | 3 | 3 | 15 | 1.5 | false |

| 76 3 4 16 1.5 false 77 3 5 12 1.5 false 78 3 6 19 1.5 false 80 3 7 18 1.5 false 80 3 8 11 1.5 false 81 15 1 15 1.4 false 82 15 2 16 1.4 false 83 15 3 17 1.4 false 84 15 4 12 1.4 false 85 15 5 18 1.4 false 86 15 6 13 1.4 false 87 15 7 11 1.4 false 88 15 8 5 1.4 false 90 4 1 17 1.3 false 91 4 3 </th <th></th> <th>Pardosa_ID</th> <th>Measurement</th> <th>Activity</th> <th>Size</th> <th>duplicatedRow</th> | | Pardosa_ID | Measurement | Activity | Size | duplicatedRow |
|--|-----|------------|-------------|----------|------|---------------|
| 78 3 6 19 1.5 false 79 3 7 18 1.5 false 80 3 8 11 1.5 false 81 15 1 15 1.4 false 82 15 2 16 1.4 false 83 15 3 17 1.4 false 84 15 4 12 1.4 false 85 15 5 18 1.4 false 86 15 6 13 1.4 false 87 15 7 11 1.4 false 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 <td>76</td> <td>3</td> <td>4</td> <td>16</td> <td>1.5</td> <td>false</td> | 76 | 3 | 4 | 16 | 1.5 | false |
| 79 3 7 18 1.5 false 80 3 8 11 1.5 false 81 15 1 15 1.4 false 82 15 2 16 1.4 false 83 15 3 17 1.4 false 84 15 4 12 1.4 false 85 15 5 18 1.4 false 86 15 6 13 1.4 false 87 15 7 11 1.4 false 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 <td>77</td> <td>3</td> <td>5</td> <td>12</td> <td>1.5</td> <td>false</td> | 77 | 3 | 5 | 12 | 1.5 | false |
| 80 3 8 11 1.5 false 81 15 1 15 1.4 false 82 15 2 16 1.4 false 83 15 3 17 1.4 false 84 15 4 12 1.4 false 85 15 5 18 1.4 false 86 15 6 13 1.4 false 87 15 7 11 1.4 false 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 <td>78</td> <td>3</td> <td>6</td> <td>19</td> <td>1.5</td> <td>false</td> | 78 | 3 | 6 | 19 | 1.5 | false |
| 81 15 1 15 1.4 false 82 15 2 16 1.4 false 83 15 3 17 1.4 false 84 15 4 12 1.4 false 85 15 5 18 1.4 false 86 15 6 13 1.4 false 87 15 7 11 1.4 false 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1 | 79 | 3 | 7 | 18 | 1.5 | false |
| 82 15 2 16 1.4 false 83 15 3 17 1.4 false 84 15 4 12 1.4 false 85 15 5 18 1.4 false 86 15 6 13 1.4 false 87 15 7 11 1.4 false 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 94 4 6 23 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1 | 80 | 3 | 8 | 11 | 1.5 | false |
| 83 15 3 17 1.4 false 84 15 4 12 1.4 false 85 15 5 18 1.4 false 86 15 6 13 1.4 false 87 15 7 11 1.4 false 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 94 4 6 23 1.3 false 96 4 8 17 1.3 false 97 13 1 17 18 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 81 | 15 | 1 | 15 | 1.4 | false |
| 84 15 4 12 1.4 false 85 15 5 18 1.4 false 86 15 6 13 1.4 false 87 15 7 11 1.4 false 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 82 | 15 | 2 | 16 | 1.4 | false |
| 85 15 5 18 1.4 false 86 15 6 13 1.4 false 87 15 7 11 1.4 false 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 83 | 15 | 3 | 17 | 1.4 | false |
| 86 15 6 13 1.4 false 87 15 7 11 1.4 false 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 84 | 15 | 4 | 12 | 1.4 | false |
| 87 15 7 11 1.4 false 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 85 | 15 | 5 | 18 | 1.4 | false |
| 88 15 8 5 1.4 false 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 86 | 15 | 6 | 13 | 1.4 | false |
| 89 4 1 17 1.3 false 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 87 | 15 | 7 | 11 | 1.4 | false |
| 90 4 2 4 1.3 false 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 88 | 15 | 8 | 5 | 1.4 | false |
| 91 4 3 9 1.3 false 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 89 | 4 | 1 | 17 | 1.3 | false |
| 92 4 4 14 1.3 false 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 90 | 4 | 2 | 4 | 1.3 | false |
| 93 4 5 5 1.3 false 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 91 | 4 | 3 | 9 | 1.3 | false |
| 94 4 6 23 1.3 false 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 92 | 4 | 4 | 14 | 1.3 | false |
| 95 4 7 24 1.3 false 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 93 | 4 | 5 | 5 | 1.3 | false |
| 96 4 8 17 1.3 false 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 94 | 4 | 6 | 23 | 1.3 | false |
| 97 13 1 17 1.8 false 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 95 | 4 | 7 | 24 | 1.3 | false |
| 98 13 2 15 1.8 false 99 13 3 16 1.8 false | 96 | 4 | 8 | 17 | 1.3 | false |
| 99 13 3 16 1.8 false | 97 | 13 | 1 | 17 | 1.8 | false |
| | 98 | 13 | 2 | 15 | 1.8 | false |
| 100 13 4 13 1.8 false | 99 | 13 | 3 | 16 | 1.8 | false |
| | 100 | 13 | 4 | 13 | 1.8 | false |

2: controls:

Showing 1 to 100 of 152 entries

- focal column range start: start of column range (including)
- focal column range end: end of column range (including)
- min sequence length: detect recurring sequences of this length or greater
- ignore repeats of same value: in some cases (default values, censored data) many repeat sequences are expected. Check this box to ignore sequences consisting of the same value, repeated.

Next

Previous

| focal column range start: | focal column range end: |
|---------------------------|--------------------------------|
| 3 | 3 |
| min sequence length | ☐ ignore repeats of same value |
| 4 | |
| detect duplicates | |

data summary:

- · key: focal column name
- cardinality: number of distinct values in the data
- max_rle: longest sequence of repeats of the same number (if high, you may want to select ignore repeats of same value above)
- max rle at level: the value(s) that is/are repeated max rle times
- n_duplicates: number of datapoints that are part of any non-unique sequence of length > min sequence length
- n_total: number of rows
- fraction: n_duplicates/n_total

| Show | v 10 \$ entri | es | | | Search: | | |
|------|-----------------|-------------|---------|------------------|--------------|----------|----------|
| | key | cardinality | max_rle | max_rle_at_level | n_duplicates | n_total | fraction |
| 1 | Activity | 26 | 2 | 13,17,21 | 0 | 152 | 0 |
| Show | ing 1 to 1 of 1 | entries | | | | Previous | 1 Next |

detected sequences:

- · view can be expanded
- · colours: sequence in column is not unique
- grey: row is not unique

Show 100 ♦ entries

- value * columns: the original data for the focal columna
- ngramID_* columns: ngramID of the sequence in the corresponding value_* column

ngramID is generated as follows: n+ sequence length + Sequence ID . Sequence ID does not carry more information.

■ Download csv (session/01d25717a968839ee1c5d5ab38c7dc85/download/downloadData?w=)

Search:

| | Pardosa_ID | Measurement | Activity | duplicatedRow | originalRowID | value_Size | ngramID_Size |
|----|------------|-------------|----------|---------------|---------------|------------|--------------|
| 1 | 14 | 1 | 2 | false | 1 | 1.6 | n8Seq1 |
| 2 | 14 | 2 | 11 | false | 2 | 1.6 | n8Seq1 |
| 3 | 14 | 3 | 3 | false | 3 | 1.6 | n8Seq1 |
| 4 | 14 | 4 | 8 | false | 4 | 1.6 | n8Seq1 |
| 5 | 14 | 5 | 7 | false | 5 | 1.6 | n8Seq1 |
| 6 | 14 | 6 | 8 | false | 6 | 1.6 | n8Seq1 |
| 7 | 14 | 7 | 15 | false | 7 | 1.6 | n8Seq1 |
| 8 | 14 | 8 | 13 | false | 8 | 1.6 | n8Seq1 |
| 9 | 8 | 1 | 6 | false | 9 | 1.2 | n8Seq6 |
| 10 | 8 | 2 | 2 | false | 10 | 1.2 | n8Seq6 |

| | Pardosa_ID | Measurement | Activity | duplicatedRow | originalRowID | value_Size | ngramID_Size |
|----|------------|-------------|----------|---------------|---------------|------------|--------------|
| 11 | 8 | 3 | 7 | false | 11 | 1.2 | n8Seq6 |
| 12 | 8 | 4 | 8 | false | 12 | 1.2 | n8Seq6 |
| 13 | 8 | 5 | 16 | false | 13 | 1.2 | n8Seq6 |
| 14 | 8 | 6 | 21 | false | 14 | 1.2 | n8Seq6 |
| 15 | 8 | 7 | 6 | false | 15 | 1.2 | n8Seq6 |
| 16 | 8 | 8 | 8 | false | 16 | 1.2 | n8Seq6 |
| 17 | 19 | 1 | 6 | false | 17 | 1.6 | n15Seq4 |
| 18 | 19 | 2 | 10 | false | 18 | 1.6 | n15Seq4 |
| 19 | 19 | 3 | 11 | false | 19 | 1.6 | n15Seq4 |
| 20 | 19 | 4 | 7 | false | 20 | 1.6 | n15Seq4 |
| 21 | 19 | 5 | 3 | false | 21 | 1.6 | n15Seq4 |
| 22 | 19 | 6 | 8 | false | 22 | 1.6 | n15Seq4 |
| 23 | 19 | 7 | 5 | false | 23 | 1.6 | n15Seq4 |
| 24 | 19 | 8 | 17 | false | 24 | 1.6 | n15Seq4 |
| 25 | 7 | 1 | 8 | false | 25 | 1.6 | n15Seq4 |
| 26 | 7 | 2 | 21 | false | 26 | 1.6 | n15Seq4 |
| 27 | 7 | 3 | 24 | false | 27 | 1.6 | n15Seq4 |
| 28 | 7 | 4 | 25 | false | 28 | 1.6 | n15Seq4 |
| 29 | 7 | 5 | 13 | false | 29 | 1.6 | n15Seq4 |
| 30 | 7 | 6 | 9 | false | 30 | 1.6 | n15Seq4 |
| 31 | 7 | 7 | 15 | false | 31 | 1.6 | n15Seq4 |
| 32 | 7 | 8 | 8 | false | 32 | 1.6 | n15Seq4 |
| 33 | 9 | 1 | 12 | false | 33 | 1.4 | n16Seq1 |
| 34 | 9 | 2 | 14 | false | 34 | 1.4 | n16Seq1 |
| 35 | 9 | 3 | 6 | false | 35 | 1.4 | n16Seq1 |
| 36 | 9 | 4 | 7 | false | 36 | 1.4 | n16Seq1 |
| 37 | 9 | 5 | 22 | false | 37 | 1.4 | n16Seq1 |
| 38 | 9 | 6 | 8 | false | 38 | 1.4 | n16Seq1 |
| 39 | 9 | 7 | 3 | false | 39 | 1.4 | n16Seq1 |
| 40 | 9 | 8 | 11 | false | 40 | 1.4 | n16Seq1 |
| 41 | 10 | 1 | 13 | false | 41 | 1.3 | n16Seq1 |
| 42 | 10 | 2 | 16 | false | 42 | 1.3 | n16Seq1 |
| 43 | 10 | 3 | 17 | false | 43 | 1.3 | n16Seq1 |

| | Pardosa_ID | Measurement | Activity | duplicatedRow | originalRowID | value_Size | ngramID_Size |
|----|------------|-------------|----------|---------------|---------------|------------|--------------|
| 44 | 10 | 4 | 7 | false | 44 | 1.3 | n16Seq1 |
| 45 | 10 | 5 | 5 | false | 45 | 1.3 | n16Seq1 |
| 46 | 10 | 6 | 20 | false | 46 | 1.3 | n16Seq1 |
| 47 | 10 | 7 | 19 | false | 47 | 1.3 | n16Seq1 |
| 48 | 10 | 8 | 15 | false | 48 | 1.3 | n16Seq1 |
| 49 | 12 | 1 | 13 | false | 49 | 1.1 | n7Seq10 |
| 50 | 12 | 2 | 13 | false | 50 | 1.1 | n7Seq10 |
| 51 | 12 | 3 | 12 | false | 51 | 1.1 | n7Seq10 |
| 52 | 12 | 4 | 17 | false | 52 | 1.1 | n7Seq10 |
| 53 | 12 | 5 | 18 | false | 53 | 1.1 | n7Seq10 |
| 54 | 12 | 6 | 6 | false | 54 | 1.1 | n7Seq10 |
| 55 | 12 | 7 | 8 | false | 55 | 1.1 | n7Seq10 |
| 56 | 12 | 8 | 11 | false | 56 | 1.1 | n7Seq10 |
| 57 | 1 | 1 | 14 | false | 57 | 1.4 | n16Seq2 |
| 58 | 1 | 2 | 20 | false | 58 | 1.4 | n16Seq2 |
| 59 | 1 | 3 | 21 | false | 59 | 1.4 | n16Seq2 |
| 60 | 1 | 4 | 16 | false | 60 | 1.4 | n16Seq2 |
| 61 | 1 | 5 | 20 | false | 61 | 1.4 | n16Seq2 |
| 62 | 1 | 6 | 23 | false | 62 | 1.4 | n16Seq2 |
| 63 | 1 | 7 | 17 | false | 63 | 1.4 | n16Seq2 |
| 64 | 1 | 8 | 18 | false | 64 | 1.4 | n16Seq2 |
| 65 | 11 | 1 | 14 | false | 65 | 1.8 | n16Seq2 |
| 66 | 11 | 2 | 12 | false | 66 | 1.8 | n16Seq2 |
| 67 | 11 | 3 | 17 | false | 67 | 1.8 | n16Seq2 |
| 68 | 11 | 4 | 18 | false | 68 | 1.8 | n16Seq2 |
| 69 | 11 | 5 | 16 | false | 69 | 1.8 | n16Seq2 |
| 70 | 11 | 6 | 17 | false | 70 | 1.8 | n16Seq2 |
| 71 | 11 | 7 | 18 | false | 71 | 1.8 | n16Seq2 |
| 72 | 11 | 8 | 11 | false | 72 | 1.8 | n16Seq2 |
| 73 | 3 | 1 | 15 | false | 73 | 1.5 | n7Seq11 |
| 74 | 3 | 2 | 11 | false | 74 | 1.5 | n7Seq11 |
| 75 | 3 | 3 | 15 | false | 75 | 1.5 | n7Seq11 |
| 76 | 3 | 4 | 16 | false | 76 | 1.5 | n7Seq11 |

| | Pardosa_ID | Measurement | Activity | duplicatedRow | originalRowID | value_Size | ngramID_Size |
|-----|------------|-------------|----------|---------------|---------------|------------|--------------|
| 77 | 3 | 5 | 12 | false | 77 | 1.5 | n7Seq11 |
| 78 | 3 | 6 | 19 | false | 78 | 1.5 | n7Seq11 |
| 79 | 3 | 7 | 18 | false | 79 | 1.5 | n7Seq11 |
| 80 | 3 | 8 | 11 | false | 80 | 1.5 | n7Seq11 |
| 81 | 15 | 1 | 15 | false | 81 | 1.4 | n16Seq1 |
| 82 | 15 | 2 | 16 | false | 82 | 1.4 | n16Seq1 |
| 83 | 15 | 3 | 17 | false | 83 | 1.4 | n16Seq1 |
| 84 | 15 | 4 | 12 | false | 84 | 1.4 | n16Seq1 |
| 85 | 15 | 5 | 18 | false | 85 | 1.4 | n16Seq1 |
| 86 | 15 | 6 | 13 | false | 86 | 1.4 | n16Seq1 |
| 87 | 15 | 7 | 11 | false | 87 | 1.4 | n16Seq1 |
| 88 | 15 | 8 | 5 | false | 88 | 1.4 | n16Seq1 |
| 89 | 4 | 1 | 17 | false | 89 | 1.3 | n16Seq1 |
| 90 | 4 | 2 | 4 | false | 90 | 1.3 | n16Seq1 |
| 91 | 4 | 3 | 9 | false | 91 | 1.3 | n16Seq1 |
| 92 | 4 | 4 | 14 | false | 92 | 1.3 | n16Seq1 |
| 93 | 4 | 5 | 5 | false | 93 | 1.3 | n16Seq1 |
| 94 | 4 | 6 | 23 | false | 94 | 1.3 | n16Seq1 |
| 95 | 4 | 7 | 24 | false | 95 | 1.3 | n16Seq1 |
| 96 | 4 | 8 | 17 | false | 96 | 1.3 | n16Seq1 |
| 97 | 13 | 1 | 17 | false | 97 | 1.8 | n8Seq4 |
| 98 | 13 | 2 | 15 | false | 98 | 1.8 | n8Seq4 |
| 99 | 13 | 3 | 16 | false | 99 | 1.8 | n8Seq4 |
| 100 | 13 | 4 | 13 | false | 100 | 1.8 | n8Seq4 |

Showing 1 to 100 of 152 entries

Previous

Next

3: randomisation controls:

- data will be reordered per column within the grouping levels specified
- note: the order of the selected fields should reflect the data structure.

| reorder within: | run random reordering |
|-----------------|-----------------------|
| Pardosa_ID | |
| | |

randomisation result:

number of datapoints that are part of a duplicate sequence data reordered within: Pardosa_ID n_runs=1000; minimum n-gram length = 4

