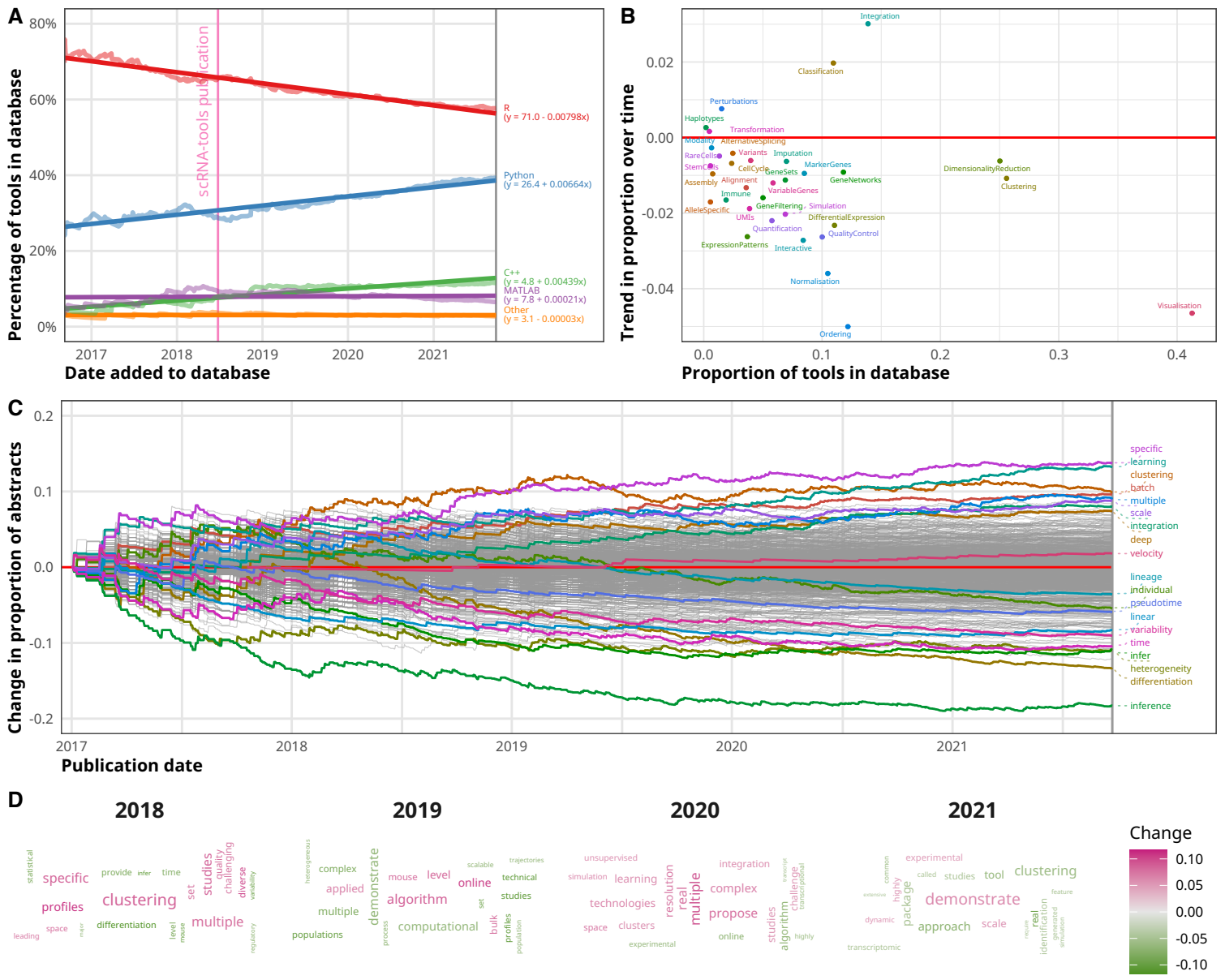
A
Percentage of tools in database
80%
60%
40%
20%
0%
scRNA-tools publication
R
(y = 71.0 - 0.00798x)
Python
(y = 26.4 + 0.00664x)
C++
(y = 4.8 + 0.00439x)
MATLAB
(y = 7.8 + 0.00021x)
Other
(y = 3.1 - 0.00003x)
2017
2018
2019
2020
2021
Date added to database
B
Trend in proportion over time
0.02
0.00
-0.02
-0.04
Integration
Classification
Perturbations
Haplotypes
Transformation
Modality
AlternativeSplicing
RareCells
Variants
Imputation
StemCells
CellCycle
GeneSets
MarkerGenes
Assembly
Alignment
GeneNetworks
DimensionalityReduction
Clustering
Immune
VariableGenes
AlleleSpecific
GeneFiltering
Simulation
UMIs
DifferentialExpression
Quantification
QualityControl
ExpressionPatterns
Interactive
Normalisation
Visualisation
Ordering
0.0
0.1
0.2
0.3
0.4
Proportion of tools in database
C
Change in proportion of abstracts
0.2
0.1
0.0
-0.1
-0.2
specific
learning
clustering
batch
multiple
scale
integration
deep
velocity
lineage
individual
pseudotime
linear
variability
time
infer
heterogeneity
differentiation
inference
2017
2018
2019
2020
2021
Publication date
D
2018
2019
2020
2021
Change
0.10
0.05
0.00
-0.05
-0.10