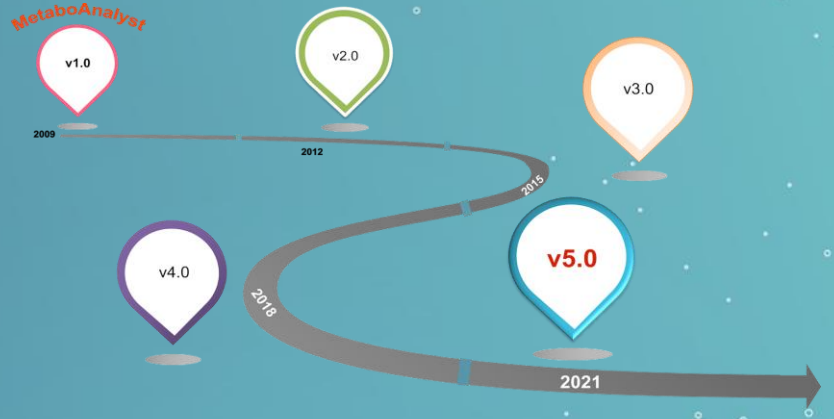

MetaboAnalyst 5.0

Video Tutorial

-- a web-based platform for streamlined metabolomics data analysis

2022-07-12

Video Tutorial Series

This video tutorial series is used to couch users performing the analysis expertly in several minutes.

Read the ***Content Description*** and click the corresponding links (***Link1*** to Youtube, and ***Link2*** to Bilibili)

Video Tutorial Series

Click the link button to direct to the video

NO	Title	Content Description	Link1	Link2
1	LC-MS Raw Spectral Processing (Part1 & 2)	A demo of raw spectral processing (data preparation, uploading, processing and downloading). Part 1 shows working as a temporary user, while part 2 shows work as a registered user.		
2	Functional Analysis (Part1 & 2)	A demo of function analysis with different input. Part 1 is showing the functional analysis with peaks list. Part 2 shows the heatmap based ‘metabolic pattern’ analysis with peak table.		
3	Functional Meta-analysis	A demo of meta-analysis with multiple peaks at pathway level or by pooling peaks.		
4	Joint Pathway Analysis	A demo of joint-pathway analysis on gene/compounds lists.		
5	Enrichment Analysis	A demo about how to perform enrichment analysis with metabolites or lipids lists.		
6	Biomarker Analysis	A demo of biomarker analysis by uploading a peak/compound table.		
7	Network Analysis (Part 1 & 2)	A demo of network analysis. Part 1 is showing the analysis of integrated omics data (knowledge-driven), while Part 2 shows the DSPC analysis with peak/compound table.		
8	Pathway Analysis	A demo of pathway analysis with compound list/table.		
9	Statistical Analysis (Part 1, 2 & 3)	A demo of statistical analysis on metabolomics data. Part 1 is showing univariate analysis (Fold-change, t-test, ANOVA etc.). Part 2 is showing multivariate analysis (PCA, PLS-DA, OPLS-DA). Part 3 is showing the feature identification, clustering and classification analysis.	 	 
10	Statistical Meta-analysis	A demo of meta-analysis from statistical perspective with multiple data tables.		
11	Power Analysis	A demo of power analysis to estimate the sample size.		
12	Time-series Analysis	A demo of time-series and /or two-factor analysis on the data table labelled with multiple factors.		

Thanks

If you have any questions please try to use OmicsForum (www.omicsforum.ca) or contact us at Zhiqiang.pang[at]xialab.ca or Jeff.xia[at]xialab.ca