



MetaboAnalyst 5.0

Video Tutorial

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

2021-04-15





































Video Tutorial Series

This video tutorial series is used to coach 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 read through the FAQs or contact us at
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