



# MetaboAnalyst 5.0

*Video Tutorial*

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

2021-10-15





































# *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. |  <br> |  <br> |
| 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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