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| National Bank of Belgium |
| JD+ |
| Output dictionaries |
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# JD+ Output dictionaries

The interface “IProcResults”, which should be implemented by the output of any high-level algorithm, contains generic methods for retrieving information.

See below the interface

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| --- |
| @Development(status = Development.Status.Release)  public interface IProcResults {  /\*\*  \* Indicates that the provider can provide information on the mentioned item  \* @param id Information item  \* @return  \*/  boolean contains(String id);  /\*\*  \* Gets the dictionary of all the possible results  \* @return The Map with the output (identifier and class)  \*/  Map<String, Class> getDictionary();  /\*\*  \* Gets information corresponding to the requested id and with the right  \* type. The identifier and the type should come from the dictionary  \* provided by this object  \*  \* @param <T>  \* @param id Name of information  \* @param tclass Type of information  \* @return  \*/  <T> T getData(String id, Class<T> tclass);  } |

The most important method of the interface is “***getData***”. We list below the available information through that method for X12 and for TramoSeats. To be noted that the dictionaries are case-sensitive.

## X12

|  |  |
| --- | --- |
| Name (=id) | Type of the output (= tclass) |
| adjust | java.lang.Boolean |
| arima | ec.tstoolkit.sarima.SarimaModel |
| arima.bd | java.lang.Integer |
| arima.bp | java.lang.Integer |
| arima.bphi(1) | ec.tstoolkit.Parameter |
| arima.bq | java.lang.Integer |
| arima.bth(1) | ec.tstoolkit.Parameter |
| arima.covar | ec.tstoolkit.maths.matrices.Matrix |
| arima.d | java.lang.Integer |
| arima.mean | java.lang.Boolean |
| arima.p | java.lang.Integer |
| arima.phi(1) | ec.tstoolkit.Parameter |
| arima.phi(2) | ec.tstoolkit.Parameter |
| arima.phi(3) | ec.tstoolkit.Parameter |
| arima.phi(4) | ec.tstoolkit.Parameter |
| arima.q | java.lang.Integer |
| arima.th(1) | ec.tstoolkit.Parameter |
| arima.th(2) | ec.tstoolkit.Parameter |
| arima.th(3) | ec.tstoolkit.Parameter |
| arima.th(4) | ec.tstoolkit.Parameter |
| benchmarking.original | ec.tstoolkit.timeseries.simplets.TsData |
| benchmarking.result | ec.tstoolkit.timeseries.simplets.TsData |
| benchmarking.target | ec.tstoolkit.timeseries.simplets.TsData |
| cal | ec.tstoolkit.timeseries.simplets.TsData |
| cal\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.a-tables.a1 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.a-tables.a1a | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.a-tables.a6 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.a-tables.a7 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.a-tables.a8 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.a-tables.a8i | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.a-tables.a8s | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.a-tables.a8t | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b1 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b10 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b11 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b12 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b13 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b14 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b15 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b16 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b17 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b18 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b19 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b2 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b20 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b3 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b4 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b5 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b6 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b7 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b8 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.b-tables.b9 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c1 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c10 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c11 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c12 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c13 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c14 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c15 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c16 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c17 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c18 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c19 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c2 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c20 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c3 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c4 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c5 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c6 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c7 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c8 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.c-tables.c9 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d1 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d10 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d10a | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d11 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d11a | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d12 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d12a | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d13 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d14 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d15 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d16 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d16a | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d18 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d19 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d2 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d20 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d3 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d4 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d5 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d6 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d7 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d8 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.d-tables.d9 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.e-tables.e1 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.e-tables.e11 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.e-tables.e2 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.e-tables.e3 | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.i\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.mode | ec.satoolkit.DecompositionMode |
| decomposition.s\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.s\_cmp\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.sa\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.seasfilter | java.lang.String |
| decomposition.seasonality | java.lang.Boolean |
| decomposition.t\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.t\_cmp\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.trendfilter | java.lang.String |
| decomposition.y\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.y\_cmp\_f | ec.tstoolkit.timeseries.simplets.TsData |
| det | ec.tstoolkit.timeseries.simplets.TsData |
| det\_f | ec.tstoolkit.timeseries.simplets.TsData |
| ee | ec.tstoolkit.timeseries.simplets.TsData |
| ee\_f | ec.tstoolkit.timeseries.simplets.TsData |
| espan.end | ec.tstoolkit.timeseries.simplets.TsPeriod |
| espan.n | java.lang.Integer |
| espan.start | ec.tstoolkit.timeseries.simplets.TsPeriod |
| fullresiduals | ec.tstoolkit.timeseries.simplets.TsData |
| i | ec.tstoolkit.timeseries.simplets.TsData |
| i\_f | ec.tstoolkit.timeseries.simplets.TsData |
| l | ec.tstoolkit.timeseries.simplets.TsData |
| l\_b | ec.tstoolkit.timeseries.simplets.TsData |
| l\_f | ec.tstoolkit.timeseries.simplets.TsData |
| likelihood.adjustedlogvalue | java.lang.Double |
| likelihood.aic | java.lang.Double |
| likelihood.aicc | java.lang.Double |
| likelihood.bic | java.lang.Double |
| likelihood.bicc | java.lang.Double |
| likelihood.logvalue | java.lang.Double |
| likelihood.neffectiveobs | java.lang.Integer |
| likelihood.np | java.lang.Integer |
| likelihood.ssqerr | java.lang.Double |
| log | java.lang.Boolean |
| m-statistics.m1 | java.lang.Double |
| m-statistics.m10 | java.lang.Double |
| m-statistics.m11 | java.lang.Double |
| m-statistics.m2 | java.lang.Double |
| m-statistics.m3 | java.lang.Double |
| m-statistics.m4 | java.lang.Double |
| m-statistics.m5 | java.lang.Double |
| m-statistics.m6 | java.lang.Double |
| m-statistics.m7 | java.lang.Double |
| m-statistics.m8 | java.lang.Double |
| m-statistics.m9 | java.lang.Double |
| m-statistics.q | java.lang.Double |
| m-statistics.q-m2 | java.lang.Double |
| mhe | ec.tstoolkit.timeseries.simplets.TsData |
| mhe\_f | ec.tstoolkit.timeseries.simplets.TsData |
| mode | ec.satoolkit.DecompositionMode |
| omhe | ec.tstoolkit.timeseries.simplets.TsData |
| omhe\_f | ec.tstoolkit.timeseries.simplets.TsData |
| out | ec.tstoolkit.timeseries.simplets.TsData |
| out\_f | ec.tstoolkit.timeseries.simplets.TsData |
| out\_i | ec.tstoolkit.timeseries.simplets.TsData |
| out\_i\_f | ec.tstoolkit.timeseries.simplets.TsData |
| out\_s | ec.tstoolkit.timeseries.simplets.TsData |
| out\_s\_f | ec.tstoolkit.timeseries.simplets.TsData |
| out\_t | ec.tstoolkit.timeseries.simplets.TsData |
| out\_t\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_i | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_i\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_s | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_s\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_sa | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_sa\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_t | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_t\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_u | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_u\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_y | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_y\_f | ec.tstoolkit.timeseries.simplets.TsData |
| regression.coefficients | [Lec.tstoolkit.Parameter; |
| regression.covar | ec.tstoolkit.maths.matrices.Matrix |
| regression.description | [Ljava.lang.String; |
| regression.easter | ec.tstoolkit.information.RegressionItem |
| regression.lp | ec.tstoolkit.information.RegressionItem |
| regression.nmh | java.lang.Integer |
| regression.nout | java.lang.Integer |
| regression.noutao | java.lang.Integer |
| regression.noutls | java.lang.Integer |
| regression.noutso | java.lang.Integer |
| regression.nouttc | java.lang.Integer |
| regression.ntd | java.lang.Integer |
| regression.out(1) | ec.tstoolkit.information.RegressionItem |
| regression.out(10) | ec.tstoolkit.information.RegressionItem |
| regression.out(11) | ec.tstoolkit.information.RegressionItem |
| regression.out(12) | ec.tstoolkit.information.RegressionItem |
| regression.out(13) | ec.tstoolkit.information.RegressionItem |
| regression.out(14) | ec.tstoolkit.information.RegressionItem |
| regression.out(15) | ec.tstoolkit.information.RegressionItem |
| regression.out(16) | ec.tstoolkit.information.RegressionItem |
| regression.out(17) | ec.tstoolkit.information.RegressionItem |
| regression.out(18) | ec.tstoolkit.information.RegressionItem |
| regression.out(19) | ec.tstoolkit.information.RegressionItem |
| regression.out(2) | ec.tstoolkit.information.RegressionItem |
| regression.out(20) | ec.tstoolkit.information.RegressionItem |
| regression.out(3) | ec.tstoolkit.information.RegressionItem |
| regression.out(4) | ec.tstoolkit.information.RegressionItem |
| regression.out(5) | ec.tstoolkit.information.RegressionItem |
| regression.out(6) | ec.tstoolkit.information.RegressionItem |
| regression.out(7) | ec.tstoolkit.information.RegressionItem |
| regression.out(8) | ec.tstoolkit.information.RegressionItem |
| regression.out(9) | ec.tstoolkit.information.RegressionItem |
| regression.pcovar | ec.tstoolkit.maths.matrices.Matrix |
| regression.td(1) | ec.tstoolkit.information.RegressionItem |
| regression.td(10) | ec.tstoolkit.information.RegressionItem |
| regression.td(11) | ec.tstoolkit.information.RegressionItem |
| regression.td(12) | ec.tstoolkit.information.RegressionItem |
| regression.td(13) | ec.tstoolkit.information.RegressionItem |
| regression.td(14) | ec.tstoolkit.information.RegressionItem |
| regression.td(2) | ec.tstoolkit.information.RegressionItem |
| regression.td(3) | ec.tstoolkit.information.RegressionItem |
| regression.td(4) | ec.tstoolkit.information.RegressionItem |
| regression.td(5) | ec.tstoolkit.information.RegressionItem |
| regression.td(6) | ec.tstoolkit.information.RegressionItem |
| regression.td(7) | ec.tstoolkit.information.RegressionItem |
| regression.td(8) | ec.tstoolkit.information.RegressionItem |
| regression.td(9) | ec.tstoolkit.information.RegressionItem |
| residuals.bp | ec.tstoolkit.information.StatisticalTest |
| residuals.bp2 | ec.tstoolkit.information.StatisticalTest |
| residuals.dh | ec.tstoolkit.information.StatisticalTest |
| residuals.kurtosis | ec.tstoolkit.information.StatisticalTest |
| residuals.lb | ec.tstoolkit.information.StatisticalTest |
| residuals.lb2 | ec.tstoolkit.information.StatisticalTest |
| residuals.lruns | ec.tstoolkit.information.StatisticalTest |
| residuals.mean | ec.tstoolkit.information.StatisticalTest |
| residuals.nruns | ec.tstoolkit.information.StatisticalTest |
| residuals.res | [D |
| residuals.seasbp | ec.tstoolkit.information.StatisticalTest |
| residuals.seaslb | ec.tstoolkit.information.StatisticalTest |
| residuals.ser | java.lang.Double |
| residuals.ser-ml | java.lang.Double |
| residuals.skewness | ec.tstoolkit.information.StatisticalTest |
| s | ec.tstoolkit.timeseries.simplets.TsData |
| s\_f | ec.tstoolkit.timeseries.simplets.TsData |
| sa | ec.tstoolkit.timeseries.simplets.TsData |
| sa\_f | ec.tstoolkit.timeseries.simplets.TsData |
| span.end | ec.tstoolkit.timeseries.simplets.TsPeriod |
| span.n | java.lang.Integer |
| span.start | ec.tstoolkit.timeseries.simplets.TsPeriod |
| t | ec.tstoolkit.timeseries.simplets.TsData |
| t\_f | ec.tstoolkit.timeseries.simplets.TsData |
| tde | ec.tstoolkit.timeseries.simplets.TsData |
| tde\_f | ec.tstoolkit.timeseries.simplets.TsData |
| y | ec.tstoolkit.timeseries.simplets.TsData |
| y\_ef | ec.tstoolkit.timeseries.simplets.TsData |
| y\_f | ec.tstoolkit.timeseries.simplets.TsData |
| y\_lin | ec.tstoolkit.timeseries.simplets.TsData |
| y\_lin\_f | ec.tstoolkit.timeseries.simplets.TsData |
| yc | ec.tstoolkit.timeseries.simplets.TsData |
| yc\_ef | ec.tstoolkit.timeseries.simplets.TsData |
| yc\_f | ec.tstoolkit.timeseries.simplets.TsData |
| ycal | ec.tstoolkit.timeseries.simplets.TsData |
| ycal\_f | ec.tstoolkit.timeseries.simplets.TsData |

## TramoSeats

|  |  |
| --- | --- |
| Name (=id) | Type of the output (= tclass) |
| adjust | java.lang.Boolean |
| arima | ec.tstoolkit.sarima.SarimaModel |
| arima.bd | java.lang.Integer |
| arima.bp | java.lang.Integer |
| arima.bphi(1) | ec.tstoolkit.Parameter |
| arima.bq | java.lang.Integer |
| arima.bth(1) | ec.tstoolkit.Parameter |
| arima.covar | ec.tstoolkit.maths.matrices.Matrix |
| arima.d | java.lang.Integer |
| arima.mean | java.lang.Boolean |
| arima.p | java.lang.Integer |
| arima.phi(1) | ec.tstoolkit.Parameter |
| arima.phi(2) | ec.tstoolkit.Parameter |
| arima.phi(3) | ec.tstoolkit.Parameter |
| arima.phi(4) | ec.tstoolkit.Parameter |
| arima.q | java.lang.Integer |
| arima.th(1) | ec.tstoolkit.Parameter |
| arima.th(2) | ec.tstoolkit.Parameter |
| arima.th(3) | ec.tstoolkit.Parameter |
| arima.th(4) | ec.tstoolkit.Parameter |
| benchmarking.original | ec.tstoolkit.timeseries.simplets.TsData |
| benchmarking.result | ec.tstoolkit.timeseries.simplets.TsData |
| benchmarking.target | ec.tstoolkit.timeseries.simplets.TsData |
| cal | ec.tstoolkit.timeseries.simplets.TsData |
| cal\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.i\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.i\_cmp\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.i\_lin | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.i\_lin\_e | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.i\_lin\_ef | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.i\_lin\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.mode | ec.satoolkit.DecompositionMode |
| decomposition.s\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.s\_cmp\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.s\_lin | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.s\_lin\_e | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.s\_lin\_ef | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.s\_lin\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.sa\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.sa\_cmp\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.sa\_lin | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.sa\_lin\_e | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.sa\_lin\_ef | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.sa\_lin\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.seasonality | java.lang.Boolean |
| decomposition.si\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.t\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.t\_cmp\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.t\_lin | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.t\_lin\_e | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.t\_lin\_ef | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.t\_lin\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.y\_cmp | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.y\_cmp\_f | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.y\_lin | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.y\_lin\_ef | ec.tstoolkit.timeseries.simplets.TsData |
| decomposition.y\_lin\_f | ec.tstoolkit.timeseries.simplets.TsData |
| det | ec.tstoolkit.timeseries.simplets.TsData |
| det\_f | ec.tstoolkit.timeseries.simplets.TsData |
| ee | ec.tstoolkit.timeseries.simplets.TsData |
| ee\_f | ec.tstoolkit.timeseries.simplets.TsData |
| espan.end | ec.tstoolkit.timeseries.simplets.TsPeriod |
| espan.n | java.lang.Integer |
| espan.start | ec.tstoolkit.timeseries.simplets.TsPeriod |
| fullresiduals | ec.tstoolkit.timeseries.simplets.TsData |
| i | ec.tstoolkit.timeseries.simplets.TsData |
| i\_f | ec.tstoolkit.timeseries.simplets.TsData |
| l | ec.tstoolkit.timeseries.simplets.TsData |
| l\_b | ec.tstoolkit.timeseries.simplets.TsData |
| l\_f | ec.tstoolkit.timeseries.simplets.TsData |
| likelihood.adjustedlogvalue | java.lang.Double |
| likelihood.aic | java.lang.Double |
| likelihood.aicc | java.lang.Double |
| likelihood.bic | java.lang.Double |
| likelihood.bicc | java.lang.Double |
| likelihood.logvalue | java.lang.Double |
| likelihood.neffectiveobs | java.lang.Integer |
| likelihood.np | java.lang.Integer |
| likelihood.ssqerr | java.lang.Double |
| log | java.lang.Boolean |
| mhe | ec.tstoolkit.timeseries.simplets.TsData |
| mhe\_f | ec.tstoolkit.timeseries.simplets.TsData |
| mode | ec.satoolkit.DecompositionMode |
| omhe | ec.tstoolkit.timeseries.simplets.TsData |
| omhe\_f | ec.tstoolkit.timeseries.simplets.TsData |
| out | ec.tstoolkit.timeseries.simplets.TsData |
| out\_f | ec.tstoolkit.timeseries.simplets.TsData |
| out\_i | ec.tstoolkit.timeseries.simplets.TsData |
| out\_i\_f | ec.tstoolkit.timeseries.simplets.TsData |
| out\_s | ec.tstoolkit.timeseries.simplets.TsData |
| out\_s\_f | ec.tstoolkit.timeseries.simplets.TsData |
| out\_t | ec.tstoolkit.timeseries.simplets.TsData |
| out\_t\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_i | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_i\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_s | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_s\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_sa | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_sa\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_t | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_t\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_u | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_u\_f | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_y | ec.tstoolkit.timeseries.simplets.TsData |
| reg\_y\_f | ec.tstoolkit.timeseries.simplets.TsData |
| regression.coefficients | [Lec.tstoolkit.Parameter; |
| regression.covar | ec.tstoolkit.maths.matrices.Matrix |
| regression.description | [Ljava.lang.String; |
| regression.easter | ec.tstoolkit.information.RegressionItem |
| regression.lp | ec.tstoolkit.information.RegressionItem |
| regression.nmh | java.lang.Integer |
| regression.nout | java.lang.Integer |
| regression.noutao | java.lang.Integer |
| regression.noutls | java.lang.Integer |
| regression.noutso | java.lang.Integer |
| regression.nouttc | java.lang.Integer |
| regression.ntd | java.lang.Integer |
| regression.out(1) | ec.tstoolkit.information.RegressionItem |
| regression.out(10) | ec.tstoolkit.information.RegressionItem |
| regression.out(11) | ec.tstoolkit.information.RegressionItem |
| regression.out(12) | ec.tstoolkit.information.RegressionItem |
| regression.out(13) | ec.tstoolkit.information.RegressionItem |
| regression.out(14) | ec.tstoolkit.information.RegressionItem |
| regression.out(15) | ec.tstoolkit.information.RegressionItem |
| regression.out(16) | ec.tstoolkit.information.RegressionItem |
| regression.out(17) | ec.tstoolkit.information.RegressionItem |
| regression.out(18) | ec.tstoolkit.information.RegressionItem |
| regression.out(19) | ec.tstoolkit.information.RegressionItem |
| regression.out(2) | ec.tstoolkit.information.RegressionItem |
| regression.out(20) | ec.tstoolkit.information.RegressionItem |
| regression.out(3) | ec.tstoolkit.information.RegressionItem |
| regression.out(4) | ec.tstoolkit.information.RegressionItem |
| regression.out(5) | ec.tstoolkit.information.RegressionItem |
| regression.out(6) | ec.tstoolkit.information.RegressionItem |
| regression.out(7) | ec.tstoolkit.information.RegressionItem |
| regression.out(8) | ec.tstoolkit.information.RegressionItem |
| regression.out(9) | ec.tstoolkit.information.RegressionItem |
| regression.pcovar | ec.tstoolkit.maths.matrices.Matrix |
| regression.td(1) | ec.tstoolkit.information.RegressionItem |
| regression.td(10) | ec.tstoolkit.information.RegressionItem |
| regression.td(11) | ec.tstoolkit.information.RegressionItem |
| regression.td(12) | ec.tstoolkit.information.RegressionItem |
| regression.td(13) | ec.tstoolkit.information.RegressionItem |
| regression.td(14) | ec.tstoolkit.information.RegressionItem |
| regression.td(2) | ec.tstoolkit.information.RegressionItem |
| regression.td(3) | ec.tstoolkit.information.RegressionItem |
| regression.td(4) | ec.tstoolkit.information.RegressionItem |
| regression.td(5) | ec.tstoolkit.information.RegressionItem |
| regression.td(6) | ec.tstoolkit.information.RegressionItem |
| regression.td(7) | ec.tstoolkit.information.RegressionItem |
| regression.td(8) | ec.tstoolkit.information.RegressionItem |
| regression.td(9) | ec.tstoolkit.information.RegressionItem |
| residuals.bp | ec.tstoolkit.information.StatisticalTest |
| residuals.bp2 | ec.tstoolkit.information.StatisticalTest |
| residuals.dh | ec.tstoolkit.information.StatisticalTest |
| residuals.kurtosis | ec.tstoolkit.information.StatisticalTest |
| residuals.lb | ec.tstoolkit.information.StatisticalTest |
| residuals.lb2 | ec.tstoolkit.information.StatisticalTest |
| residuals.lruns | ec.tstoolkit.information.StatisticalTest |
| residuals.mean | ec.tstoolkit.information.StatisticalTest |
| residuals.nruns | ec.tstoolkit.information.StatisticalTest |
| residuals.res | [D |
| residuals.seasbp | ec.tstoolkit.information.StatisticalTest |
| residuals.seaslb | ec.tstoolkit.information.StatisticalTest |
| residuals.ser | java.lang.Double |
| residuals.ser-ml | java.lang.Double |
| residuals.skewness | ec.tstoolkit.information.StatisticalTest |
| s | ec.tstoolkit.timeseries.simplets.TsData |
| s\_f | ec.tstoolkit.timeseries.simplets.TsData |
| sa | ec.tstoolkit.timeseries.simplets.TsData |
| sa\_f | ec.tstoolkit.timeseries.simplets.TsData |
| span.end | ec.tstoolkit.timeseries.simplets.TsPeriod |
| span.n | java.lang.Integer |
| span.start | ec.tstoolkit.timeseries.simplets.TsPeriod |
| t | ec.tstoolkit.timeseries.simplets.TsData |
| t\_f | ec.tstoolkit.timeseries.simplets.TsData |
| tde | ec.tstoolkit.timeseries.simplets.TsData |
| tde\_f | ec.tstoolkit.timeseries.simplets.TsData |
| y | ec.tstoolkit.timeseries.simplets.TsData |
| y\_ef | ec.tstoolkit.timeseries.simplets.TsData |
| y\_f | ec.tstoolkit.timeseries.simplets.TsData |
| y\_lin | ec.tstoolkit.timeseries.simplets.TsData |
| y\_lin\_f | ec.tstoolkit.timeseries.simplets.TsData |
| yc | ec.tstoolkit.timeseries.simplets.TsData |
| yc\_ef | ec.tstoolkit.timeseries.simplets.TsData |
| yc\_f | ec.tstoolkit.timeseries.simplets.TsData |
| ycal | ec.tstoolkit.timeseries.simplets.TsData |
| ycal\_f | ec.tstoolkit.timeseries.simplets.TsData |

Example

|  |
| --- |
| // Create the specifications  TramoSeatsSpecification mySpec = TramoSeatsSpecification.RSAfull.clone();  // Allow benchmarking  mySpec.getBenchmarkingSpecification().setEnabled(true);  // Create the ts (for example...)  TsData input = Data.X;  // Generate the processing, using the Tramo-Seats factory  IProcResults rslts = TramoSeatsProcessingFactory.process(input, mySpec);  TsData sa = rslts.getData("sa", TsData.class);  System.out.println(sa);  TsData sabench = rslts.getData("benchmarking.result", TsData.class);  System.out.println(sabench);  StatisticalTest skewness = rslts.getData("residuals.skewness", StatisticalTest.class);  System.out.println(skewness); |