Release Notes for the FULL JCapper Platinum Build 198 ver 2.0 Main Module ONLY program download package published 09-10-2017:

Please be aware that the release notes for this FULL program update are still being written. Check back later as I may be updating this page over the next few days as free time allows. *(Last updated: 10-25-2017.)*

What's Inside:

This download was compiled on 09-10-2017 and delivers several key program updates.

The new Main Module .exe file in this download package delivers permanent new user logons for those of you who've recently joined the JCapper user community.

What's New:

The Main Module in this program update also delivers the key updates described below that were previously released on 08-02-2017:

Beginning with all versions of JCapper Platinum published 07-31-2017 and later:

a. **You can now use positive, negative, and zero factor weights** in your UserFactor and UPR GroupNames under Method 2 WtAvg.

   Note that in previous program versions GroupNames under Method 2 WtAvg were restricted to positive factor weights only.

b. **Under Method 2 WtAvg in UPR Tools** you can now define a lower limit (or Low Score) in the Default Impact field when keying entries for UserFactor and UPR GroupNames.

   Note that in previous program versions: Under Method 2 WtAvg in UPR Tools you were limited to defining an upper limit (or High Score) only.

c. **Four new Behaviors have been added to UPR Tools** for Prob Expressions:

1. Behavior 28 Actual Vs. Expected

2. Behavior 29 Fx (or Cumulative Frequency)

3. Behavior 40 Log(Actual Vs. Expected)

4. Behavior 41 Log(Fx)

d. **All of the Log Behaviors (30-41) for Prob Expressions should now be fully active** in both UPR Tools and the JCapper Main Module during number crunching.

   Note that in previous program versions: The Log Behaviors (30-41) for Prob Expressions were not yet active (and produced zero values during number crunching.)

e. **HDW data customers** who have used the Reassignment Screen in the Factor Setup Wizard to add the SQLDataBits field to the SQL Factor Setup will discover that the SQLDataBits field written to the StarterHistory table during Build Database routines now contains positional call info for each starter as read from the HDW Text Chart Results File.

   --**Important!** In order for this feature to work: You need to have HDW f.txt chart files sitting on the pointed to folder during build database routines. Otherwise the interface cannot read the positional call info from the chart data and the function that adds positional call info to the SQLDataBits field will fail.

   --**Bug Fix!** The Main Module in this download addresses a bug that was found in the Main Module released on 07-31-2017.

   --Bug Description: In the Main Module released on 07-31-2017, if SQLDataBits was assigned to one of the name fields in the sql factor setup: Attempting to run a build database routine on a folder missing one or more HDW f.txt chart files caused the build database routine to fail at the point where the first missing chart file was encountered.

All program versions dated 08-02-2017 and later contain a bug fix that eliminates this (unacceptable) behavior.
-- Bug Fix Description: When SQLDataBits is assigned to one of the name fields in the sql factor setup and the user runs a build database routine – when the interface encounters a race card with a missing HDW f.txt chart file on the pointed to folder the interface is programmed to respond in the following manner:

The interface recognizes that the chart file is missing – and simply skips reading positional calls info from the missing chart file.

As a result, the SQLDataBits field for all starters in racecards with missing chart files on the pointed to folder end up containing all data items except the positional calls info. And of course for all race cards with matching chart files on the pointed to folder: Positional calls info is written to the SQLDataBits field.

From there, the interface moves on to the next racecard and the build database routine continues and executes to completion.

If you are in the habit of copying selected .JCP and .XRD files to folders created for special research projects:

Be aware that you'll need to copy matching HDW f.txt chart files onto these folders too -- BEFORE you run your db build routines.

Once you have it working this feature can be really useful if you are performing statistical analysis on exported JCapper data.

The new positional call info in the SQLDataBits field should enable you to model the likelihood of each starter not just winning a race --

Now you can model the likelihood of each starter achieving a specific position at the start call, first call, second call, and stretch call – as well as the finish call.

Previous versions of JCapper allowed you to model the finish call only.

Scratch BOT – Beginning with all versions of JCapper Platinum published 07-31-2017 and later:

a. **Scratch BOT** now offers two Changes Table Reports:

1. **Changes Table Report sorted by [Date], PostTime, Track, Race.** (New.)

   Note that the PostTime field in the Changes table only becomes populated with data once a SQL Calc Races has been run on a given race card. As a result, if you run the new Changes Table Report and there are changes on the report for race card(s) that you have not yet run a SQL Calc Races for -- the PostTime field for those changes will be blank.

   But after you've run a SQL Calc Races for a given race card: The PostTime field will be populated with data –- and any changes for that race card parsed from the XML will sort properly on the report.

   The stated objective here is to enable you to see NEW changes for upcoming races at a glance -- so that you can run a Calc Races and pick up any new potential plays well before the race goes off.

2. **Changes Report sorted by [Date], Track, Race.** This is the existing (legacy) report and remains unchanged – except for handling of NEW changes described below.

b. **Improved handling for reporting of NEW changes**:

I've created a new routine and programmed it to "fire" just prior to Scratch BOT's primary XML parse routine. The new routine makes a trip through the Changes Table and flags the New field for every record in the table as False -- effectively making all records in the table previously reported changes.

Immediately afterwards -- when Scratch BOT's primary XML parse routine is executed: Any NEW changes picked up during the current

XML parse routine are given a value of True in the New field of the Changes Table -- effectively making them NEW changes.

The result?

When you run either of the Changes Table Reports:

Only NEW changes picked up by the most recent XML Parse Routine are displayed in red at the top of the report.

The stated objective here is to enable you to see NEW changes for upcoming races at a glance -- so that you can run a Calc Races and pick up any new potential plays well before the race goes off.

In previous versions of Scratch BOT -- If you ran an XML parse routine for DataFolder1: Changes picked up during previous parse routines of DataFolder2 and/or DataFolder3 would still have values of True in the New field of the Changes Table and would appear as NEW changes on the Changes Report.

On a busy race day this had the ability to make it really hard to distinguish between NEW changes picked up by the most recent XML parse routine and the (so called) NEW changes that had been picked up from XML parse routines that had been run on other folders (in some cases for me) over an hour ago.

This programming change has Scratch BOT's Changes Table Reports behaving more in line with the stated objective than the Changes Table Report found in previous program versions.

JCX File Exports Module – Beginning with all versions of JCapper Platinum published 09-10-2017 and later:

The JCX File Exports Module comes with a Data Transformations Tool that now has a *What to Model Drop Down*.

The selection you make in the drop down tells the interface to transform exported JCapper data in a way that enables you to model the likelihood of a starter:

- Being the MVP horse.
- Being the race winner.
- Finishing second.
- Finishing third.
- Finishing fourth.
- Finishing fifth.
- Finishing second or better.
- Finishing third or better.
- Finishing fourth or better.
- Finishing second or worse.
- Finishing third or worse.
- Finishing fourth or worse.
- Leading at the start call.
- Leading at the first call.
- Leading at the second call.
- Leading at the stretch call.

Note that using these *What to Model* options on the Data Transformations Tool **requires** a current version Build 198 compatible **JCapper2.mdb file** that has an **MVP field** in the StarterHistory table. *(Included in this download.)*

Note that using *What to Model* options other than being the race winner **requires HDW *F.txt chart files** be present for all race cards on any data folder built in Modes 3, 4, or 5 from which you will be using the JCX File Exports Module to export JCapper data.

Note that using *What to Model* options other than being the race winner also **requires the SQLDataBits field** be assigned to one of the name fields in your **SQL Factor Setup**.

This is the only way that the JCapper Main Module can pick up the needed positional calls info during a Build Database and get it written to the SQLDataBits field in the StarterHistory table.

Positional calls info does not exist in .xrd files. So the info HAS to come from chart files. And you need SQLDataBits to be part of your SQL Factor Setup.

All of that said, the ability to model the likelihood of events other than a horse being the race winner opens up some *really interesting* possibilities.

The Data Window - Beginning with all versions of JCapper Platinum published 09-10-2017 and later:

When operated in SQL Mode, **The Data Window will display a Gray Stripe and a Red Stripe** above the Factors Drop Down. These stripes enable you to customize the Start Range and Interval for every factor in the Factors Drop Down.

Clicking the Gray Stripe allows you to save the current factor selected from the drop down – along with the start range and interval as displayed in the Start Range and Interval Drop Downs. Saved data is written to a new table in the JCapper2.mdb file called the FactorBreakout table.

To save an entry to the table: Select a factor from the Factors Drop Down and set Start Range and Interval as you see fit. Then click the Gray Stripe and answer Yes at the prompt. *That's it!*

Once you have a saved entry in the table for a given factor, each time you select that factor from the drop down: The interface will auto-apply the start range and interval from the saved entry to the Start Range and Interval Drop Downs.

Clicking the Red Stripe allows you to delete any previously saved entry for the current factor selected in the drop down – and restores the program defaults.

To delete an entry from the table: Select a factor from the Factors Drop Down. Then click the Red Stripe and answer Yes at the prompt. *That's it!*

This feature allows you to customize the Start Range and Interval for any factor in the Factors Drop Down.

This can be especially useful for those of you who've assigned Prob Expressions to your SQL Factor Setup. *(The program defaults for start range and interval don't fit Prob Expressions and now you are no longer stuck with them.)*

Data Folder Mgr, DFM Card Loader, HDW File Mgr, and HDW File Download Tool - Beginning with all versions of JCapper Platinum published 09-10-2017 and later:

The Data Folder Mgr, DFM Card Loader, HDW File Mgr, and HDW File Download Tool each now have new Menu items that enable you to save current screen sizing of the module.

The menu options are as follows:

1. Save Current Screen Sizing
2. Restore Program Default Screen Sizing
3. Auto Save Screen Sizing ON
4. Auto Save Screen Sizing OFF

To Save Current Screen Sizing: Simply size the module to the desired height, width, and position on your monitor – click Menu, select Save Current Screen Sizing, and click Yes at the prompt.

The interface will save the current screen sizing attributes for the module to the UserSysDefs table.

The next time you launch the module: The interface will use the last set of saved entries for screen sizing.

To Restore Program Default Screen Sizing: Simply click Menu, select Restore Program Default Screen Sizing, and click Yes at the prompt.

The interface will delete any previously saved screen sizing attributes for the module from the UserSysDefs table and resize the module to the program defaults.

The next time you launch the module: The interface will use the program defaults for screen sizing.

To toggle Auto Save Screen Sizing ON: Click Menu, select Auto Save Screen Sizing ON, and click Yes at the prompt. The interface will toggle Auto Save Screen Sizing ON.

The next time you exit the module: The interface will save current screen sizing attributes (height, width, and position on your monitor) to the UserSysDefs table before shutting down the module.

The next time you launch the module: The interface will use the last set of saved entries for screen sizing.

To toggle Auto Save Screen Sizing OFF: Click Menu, select Auto Save Screen Sizing OFF, and click Yes at the prompt. The interface will toggle Auto Save Screen Sizing OFF.

The next time you exit the module: The interface will not save any screen sizing attributes to the table. Instead, the interface will simply shut down the module.

The next time you launch the module: The interface will use the last set of saved entries for screen sizing. Alternately, if the module has no screen sizing entries in the table: The interface simply uses the program defaults.

After installing this download:

You should find that the Main Module delivered by this download no longer displays an expiration date – and now recognizes you as a Registered Program Owner.

Who Should Install This Download:

If you see an expiration date after you log into the JCapper Main Module – or if you want the lastest published JCapper program version: *You should install this download ASAP.*

If you want to run the latest published version of JCapper Platinum Build 198: *You should install this download ASAP.*

Install Instructions:

Close down all open JCapper program windows, log into the JCapper message board, navigate to the Build 198 program downloads page, and follow the instructions there to the best of your ability.

Enjoy,

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