

# Generating a Report

## MTE User Manual - Getting Started with Data Analysis

4.03

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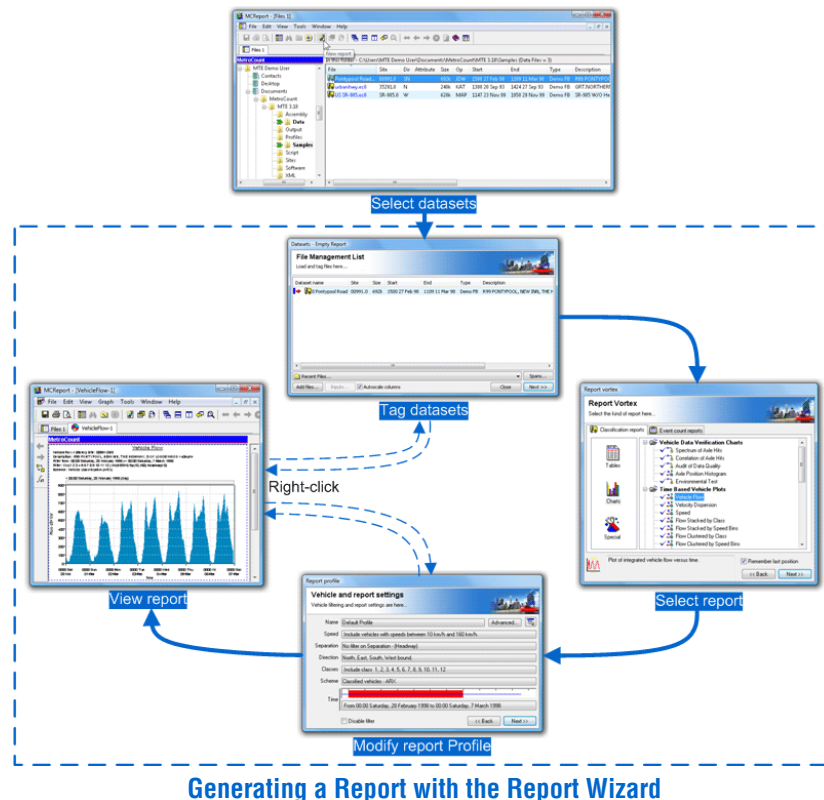
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# Generating a Report

## The Report Wizard

Generating a report with the **Report Wizard** is an incredibly simple process, illustrated by the following diagram.



The **File Management List** is a temporary list of datasets that have been loaded, ready for analysis. Datasets can be loaded into the File Management List via MCReport's **File Tree** window, or from a list of recently used datasets. Datasets can then be selectively **tagged** for inclusion in the report being generated.

The **Report Vortex** contains the list of available reports, firstly grouped by their mode of analysis (Classification or Event Count) and then by the format of the report (Tables, Charts or Special).

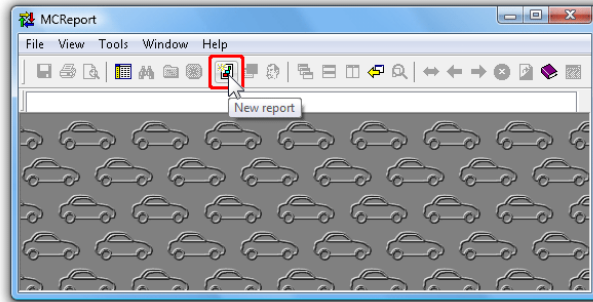
A **Profile** in MCReport encompasses the set of vehicle filter, classification, statistical and formatting options for each report. When a new report is generated, a copy of MCReport's **Default Profile** is attached to the report and is referred to as the report's **Local Profile**. This is displayed as part of the Report Wizard, with the most frequently used vehicle filter settings easily accessible.

The end result is an automatically formatted report, that can be printed or saved. Note that the Local Profile, or list of tagged datasets can be easily accessed via the report's right-click menu, without repeating the entire Report Wizard. Many reports also have interactive tools for examining detail.



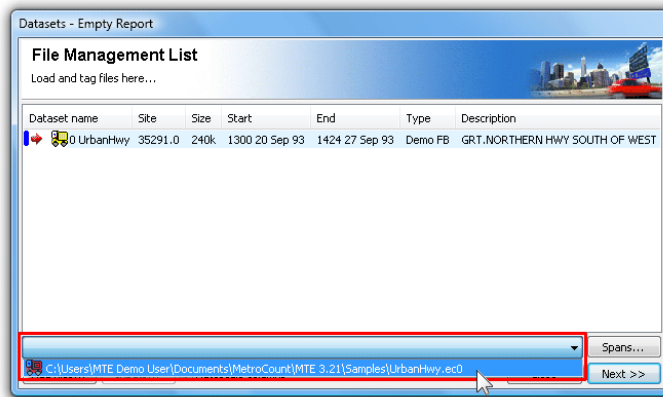
## To generate a report

1. Start MCReport, and if necessary set the New User options as described in the previous section.
2. Click the **New Report** button on MCReport's main toolbar.



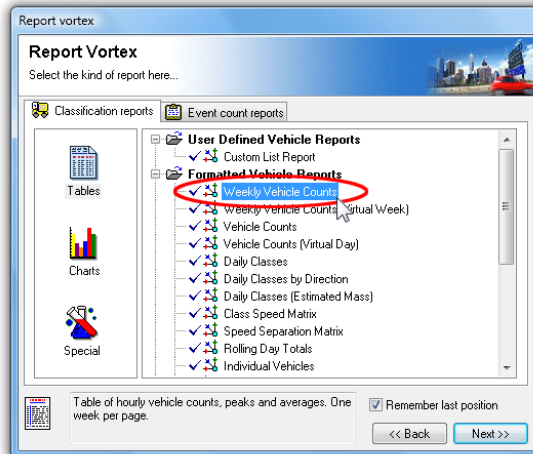
## Starting the Report Wizard

3. For this simple example, load the **urbanhwy.eco** sample dataset that is always available in the **Recent Files** drop-down list at the bottom. Loading files using the **File Tree** is covered in the next section.  
Once the file is loaded, note the red arrow next to the dataset, indicating it is **tagged** for this report. Click the **Next** button to continue.



## Load a dataset

4. Select a report, such as **Weekly Vehicle Counts**, and click the **Next** button.



## Select a report

- The report's **Local Profile** is now displayed. Notice that each setting is a button, which will open another dialog box for editing that setting. Also note the **Advanced** button at the top, which leads to numerous, but infrequently accessed options.

For this example, simply accept the defaults by clicking the **Next** button.

The 'Report profile' dialog box displays the following settings:

- Name:** Default Profile (with an 'Advanced...' button)
- Speed:** Include vehicles with speeds between 10 km/h and 160 km/h.
- Separation:** No filter on Separation - (Headway)
- Direction:** North, East, South, West bound.
- Classes:** Include class 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
- Scheme:** Classified vehicles - ARX
- Time:** From 13:00 Monday, 20 September 1993 to 14:24 Monday, 27 September 1993
- ☐ Disable filter
- Navigation buttons: << Back, Next >>

### View Local Profile

- The selected report is now generated and displayed, ready to be printed or saved. Try right-clicking anywhere within the report, and note the options in the pop-up menu. **Local Profile** will display the report's current Profile, then recalculate. **Datasets** will display the **File Management List**, where the tagged datasets can be changed and the report regenerated.

The screenshot shows the 'Weekly Vehicle Counts' report for 'WeeklyVehicle-2'. The report includes a table of hourly vehicle counts for the week of September 20-25, 1993. A right-click context menu is open over the table, showing options: Recalculate, Local profile..., Datasets..., Properties, Cut, Copy, Paste, Page setup..., Typeface, Page break, and Tabs.

Hour	Mon 20 Sep	Tue 21 Sep	Wed 22 Sep	Thu 23 Sep	Fri 24 Sep	Sat 25 Sep
0000-0100	*	10	14	10	19	11
0100-0200	*	6	6	4	11	11
0200-0300	*	10	6	12	7	7
0300-0400	*	9	7	7	8	8
0400-0500	*	22	18	16	10	10
0500-0600	*	53	61	63	66	66
0600-0700	*	130	141	159	148	148
0700-0800	*	247	223	248	215	215
0800-0900	*	260<	250<	262	226	226
0900-1000	*	210	227	291	246<	230
1000-1100	*	235	211	222	245	279
1100-1200	*	205	244	269<	226	289<
1200-1300	*	222	187	243	213	274<
1300-1400	239	219	197	244	246	260
1400-1500	255	213	220	256	240	202
1500-1600	302	346<	331<	336<	349	212
1600-1700	309	311	319	319	350	232
1700-1800	297	309	315	295	392<	183
1800-1900	179	217	215	217	281	132
1900-2000	97	120	104	164	244	93
2000-2100	67	88	80	104	107	63
2100-2200	62	60	68	104	72	42
2200-2300	40	55	50	59	99	47
2300-2400	30	25	21	34	46	53
Totals						
0700-1900	*	2994	2939	3142	3229	2637
0600-2200	*	3392	3332	3673	3800	2952
0600-0000	*	3472	3406	3766	3945	3052
0000-0000	*	3562	3518	3878	4069	3101
AM Peak	*	0800	0800	1100	0900	1100
PM Peak	*	1500	1500	1500	1700	1200

The generated report, showing right-click menu

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