“Statistics on-line” ©

Statistics on-line is an application software that can manage statistics concerning several different problems.

Using it, for example, you can manage statistics of sales, banking movements, orders, medical examinations, library loans, etc.

In practice, you can refer to all that kind of statistics coming from the processing of detail movements related to a specific problem.

Statistics is “on-line” because statistical data are updated as the detail movements become available, so that the statistical database reflects the real situation and it is immediately available for enquiries.

As example you can refer to the sales statistics of a firm which produces foodstuffs.

This firm uses an application program which produces sales detail movements as the deliveries are being made.

These movements, in practice, are records of a table containing the fields that define the details of each single item of the delivery itself.

Starting from this structure of data, it is thus possible to define the concerning statistics without limits.

For each statistical item that you define it is also possible to combine an algorism and a connection with the database for the decoding of the item itself (Fig. 1).

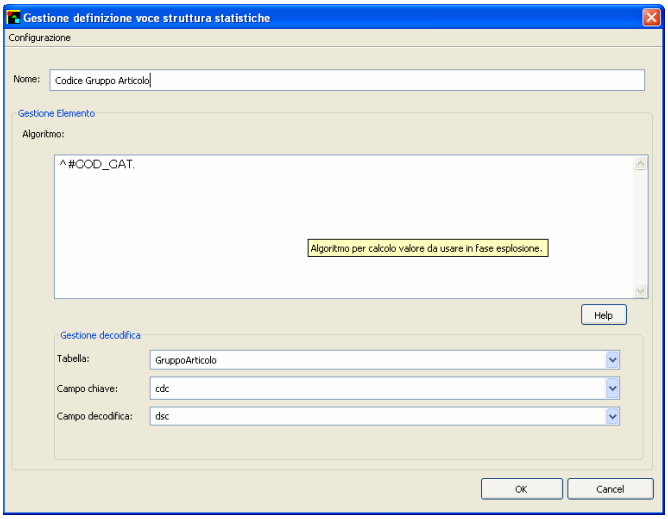


Fig. 1.

In this case, we are interested in getting all the sales data of the customers, and therefore they are divided into merceological category and article.

But also for: *Agent/Customer/ Merceological category /Article*

and for: *Region/Province/City/Customer/ Merceological category /Article*

and for: *Merceological category /Article/Customer/…*

etc.

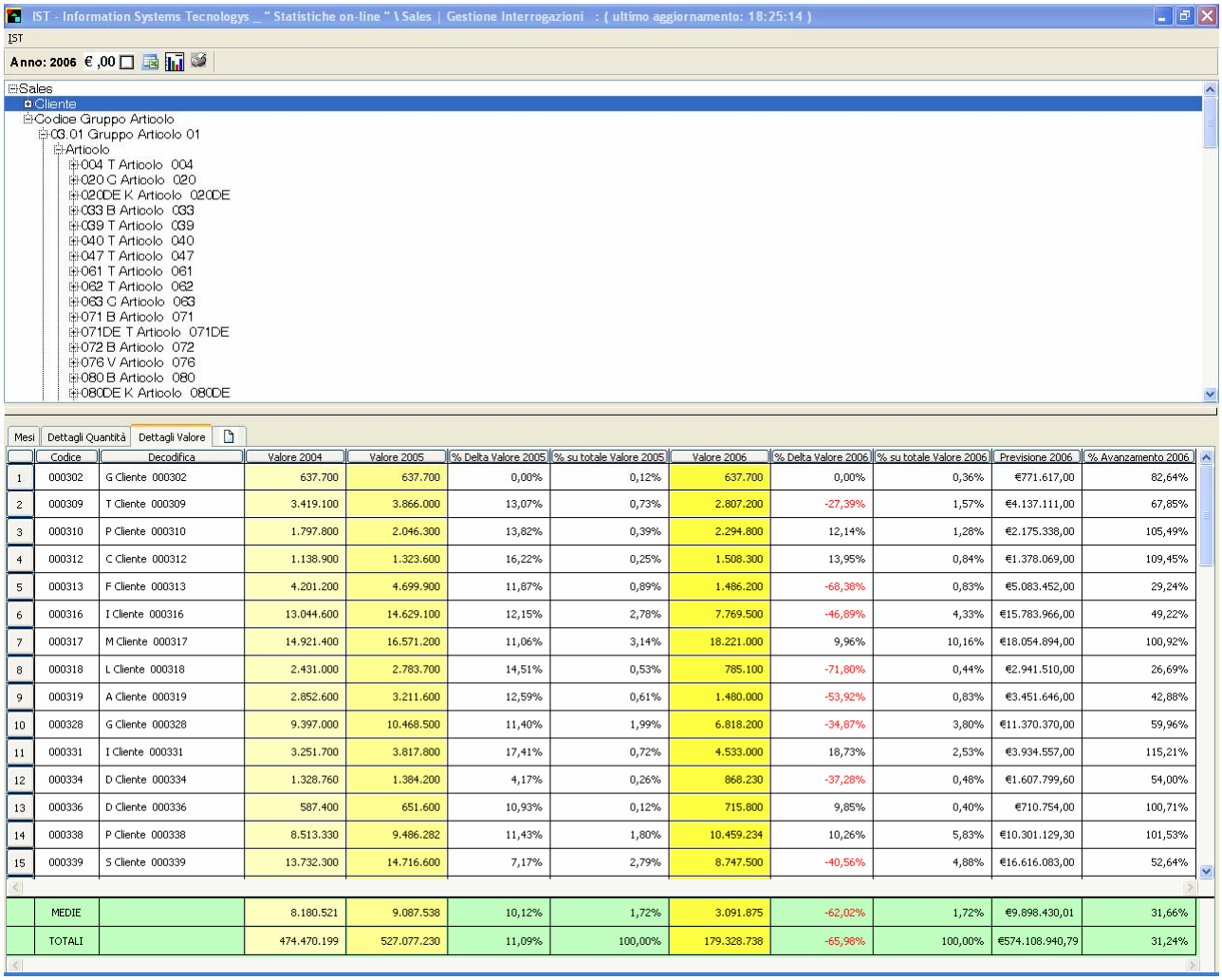
Once you have defined the matrix of the statistics you are interested in, as the deliveries are being made you are able to update them with the sales movements.

So you'll get a statistical on-line database with effective deliveries.

The multi-user enquiry system allows you to make enquiries about the statistical data both by surfing the Web and by using a specific program which is installed on the computers of the firm in a local network. In this way you will be able to ask the whole database and to get all the information you need (Fig. 2).

Therefore, everywhere you are, an enquiry through an intuitive interface will give you the updated statistical data.

As a consequence, at any moment, you will be able to know the proceeds of sales concerning a customer, an agent or anything else defined in the database, and to order the data themselves according to your need.



	Codice	Decodifica	Valore 2004	Valore 2005	% Delta Valore 2005	% su totale Valore 2005	Valore 2006	% Delta Valore 2006	% su totale Valore 2006	Previsione 2006	% Avanzamento 2006
1	000302	G Cliente 000302	637.700	637.700	0,00%	0,12%	637.700	0,00%	0,36%	€771.617,00	82,64%
2	000309	T Cliente 000309	3.419.100	3.866.000	13,07%	0,73%	2.807.200	-27,39%	1,57%	€4.137.111,00	67,85%
3	000310	P Cliente 000310	1.797.800	2.046.300	13,82%	0,39%	2.294.800	12,14%	1,28%	€2.175.338,00	105,49%
4	000312	C Cliente 000312	1.138.900	1.323.600	16,22%	0,25%	1.508.300	13,95%	0,84%	€1.378.069,00	109,45%
5	000313	F Cliente 000313	4.201.200	4.699.900	11,87%	0,89%	1.486.200	-68,38%	0,83%	€5.083.452,00	29,24%
6	000316	I Cliente 000316	13.044.600	14.629.100	12,15%	2,78%	7.769.500	-46,89%	4,33%	€15.783.966,00	49,22%
7	000317	M Cliente 000317	14.921.400	16.571.200	11,06%	3,14%	18.221.000	9,96%	10,16%	€18.054.894,00	100,92%
8	000318	L Cliente 000318	2.431.000	2.783.700	14,51%	0,53%	785.100	-71,80%	0,44%	€2.941.510,00	26,69%
9	000319	A Cliente 000319	2.852.600	3.211.600	12,59%	0,61%	1.480.000	-53,92%	0,83%	€3.451.646,00	42,88%
10	000328	G Cliente 000328	9.397.000	10.468.500	11,40%	1,99%	6.818.200	-34,87%	3,80%	€11.370.370,00	59,96%
11	000331	I Cliente 000331	3.251.700	3.817.800	17,41%	0,72%	4.533.000	18,73%	2,53%	€3.934.557,00	115,21%
12	000334	D Cliente 000334	1.328.760	1.384.200	4,17%	0,26%	868.230	-37,28%	0,48%	€1.607.799,60	54,00%
13	000336	D Cliente 000336	587.400	651.600	10,93%	0,12%	715.800	9,85%	0,40%	€710.754,00	100,71%
14	000338	P Cliente 000338	8.513.330	9.486.282	11,43%	1,80%	10.459.234	10,26%	5,83%	€10.301.129,30	101,53%
15	000339	S Cliente 000339	13.732.300	14.716.600	7,17%	2,79%	8.747.500	-40,56%	4,88%	€16.616.083,00	52,64%
	MEDIE		8.180.521	9.087.538	10,12%	1,72%	3.091.875	-62,02%	1,72%	€9.898.430,01	31,66%
	TOTALI		474.470.199	527.077.230	11,09%	100,00%	179.328.738	-65,98%	100,00%	€574.108.940,79	31,24%

Fig. 2.

For each single statistical item, then, detail movements are managed so that you can immediately go back to all the related elements.

You will also be able to manage historical data of the statistics and then to evaluate their periodical trends as with a simple click you will visualize the concerning charts (Fig. 3)

Another opportunity is to create model documents which can be printed and/or saved once you have drawn them up with updated data.

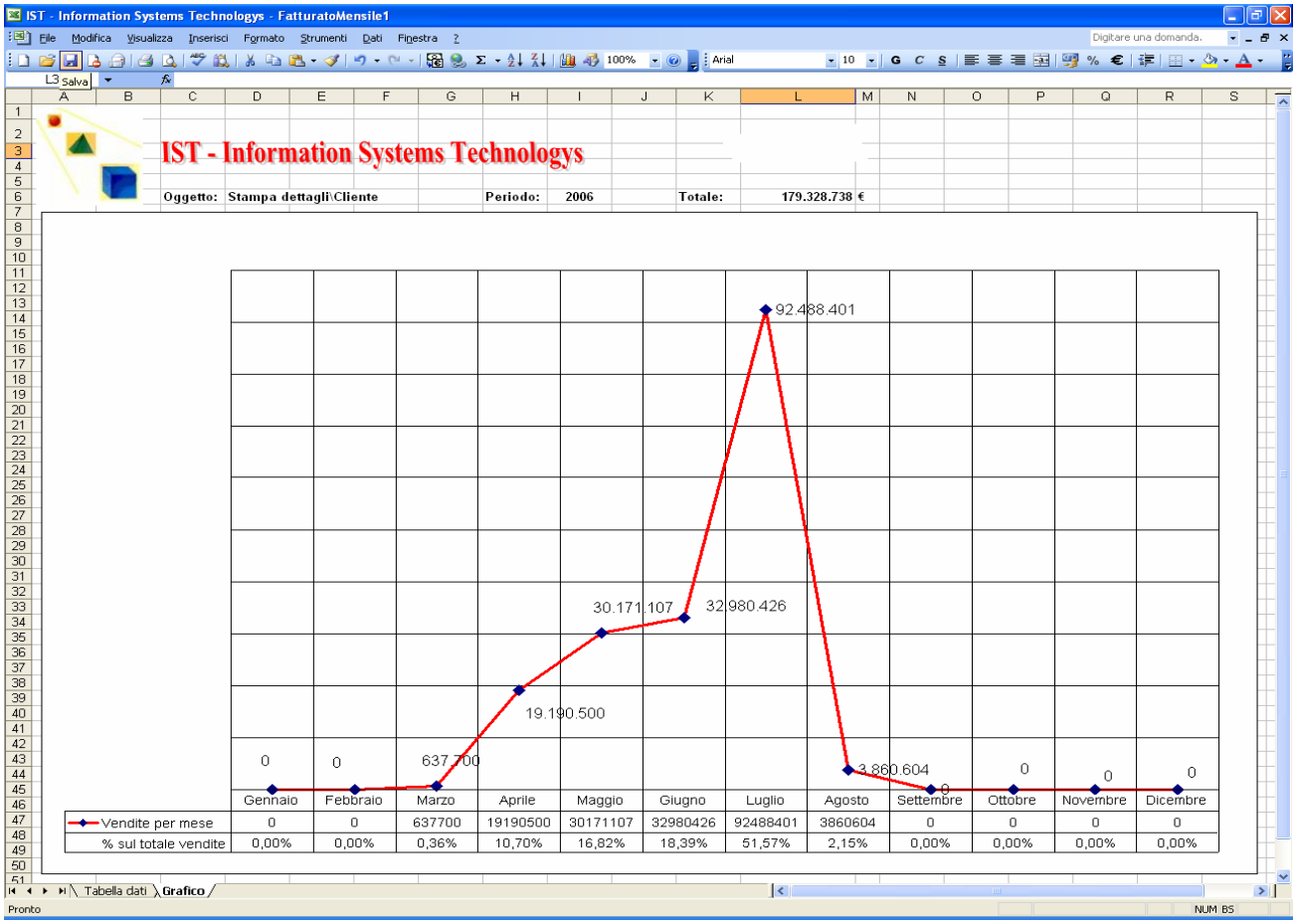


Fig. 3.

Moreover, thanks to the management previsions, you can also make projections related to the following periods, which allows you to check in the ordinary management the advancement of real data and to verify the state of real data in comparison with the previsions.

Another interesting feature of the application software is the management of goals.

For each item it allows to define specific values with related actions which are signalled once they have reached the limit.

Thus, for example, it is possible to define for a customer a specific value of the proceeds of sales and when this value is reached, a specific document that has been personalized can be printed.

It is also possible to report the data in Excel in order to allow detailed analysis.

The application can be completely set up in order to permit its use in different fields and is arranged to evolve and to absorb the different requests that can gradually come out after using it.

It is implemented in VW 7.4 and it use OODB Gemstone.

Presently input detail data are interfaced with ODBC.

The author: Dario Trussardi Romano e-mail: dario.trussardi@tiscali.it
URL: www.microobject.com
Version: Commercial
Keywords: Smalltalk ,OOP, OODB Gemstone, Statistics, Prevision