

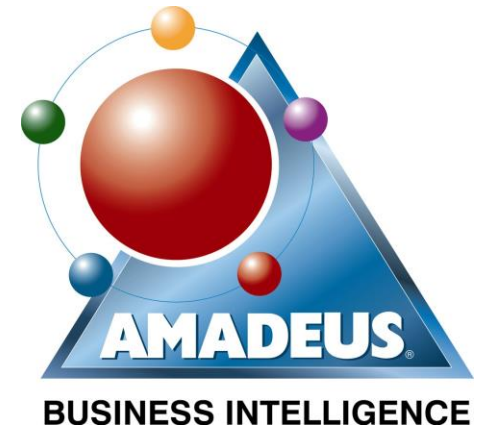


# **This is Enterprise Guide Reporting Captain**

**Lynn Pope**

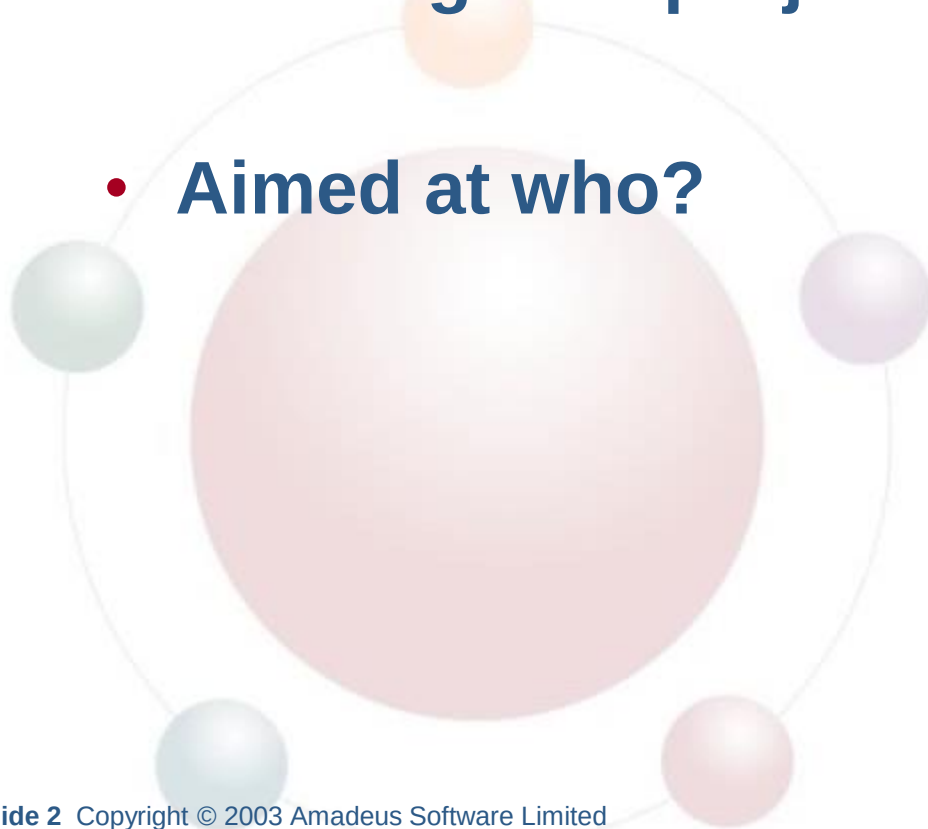
**Amadeus Software Ltd**

**20 May 2003**



# Introduction

- **Introduce you to Enterprise Guide**
- **Working with projects**
- **Aimed at who?**



# What is Enterprise Guide

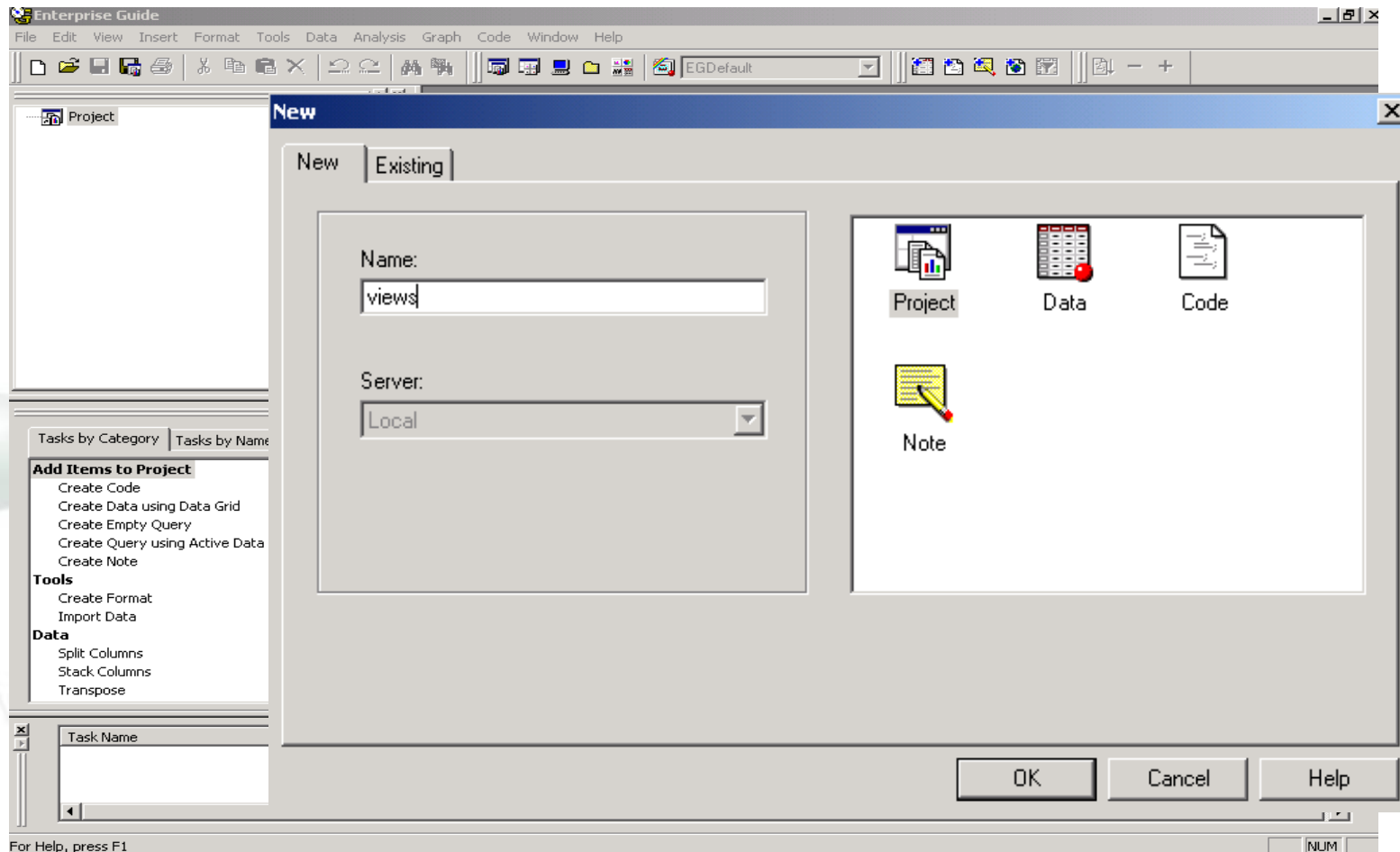
- **Enterprise Guide provides a true Windows point and click interface to the SAS system.**
- **Using interactive dialogs to guide users through SAS analytical and reporting tasks.**
- **Provides transparent data access to both SAS and non-SAS data.**
- **The ability to export results to other Windows and server based applications.**

# How Can Enterprise Guide Help

- **Transparent access to data**
- **State of the art Windows look and feel**
- **Customizable user interface**
- **Ability to export results to other applications**
- **Repeatability**

# Getting Started

- Create a project

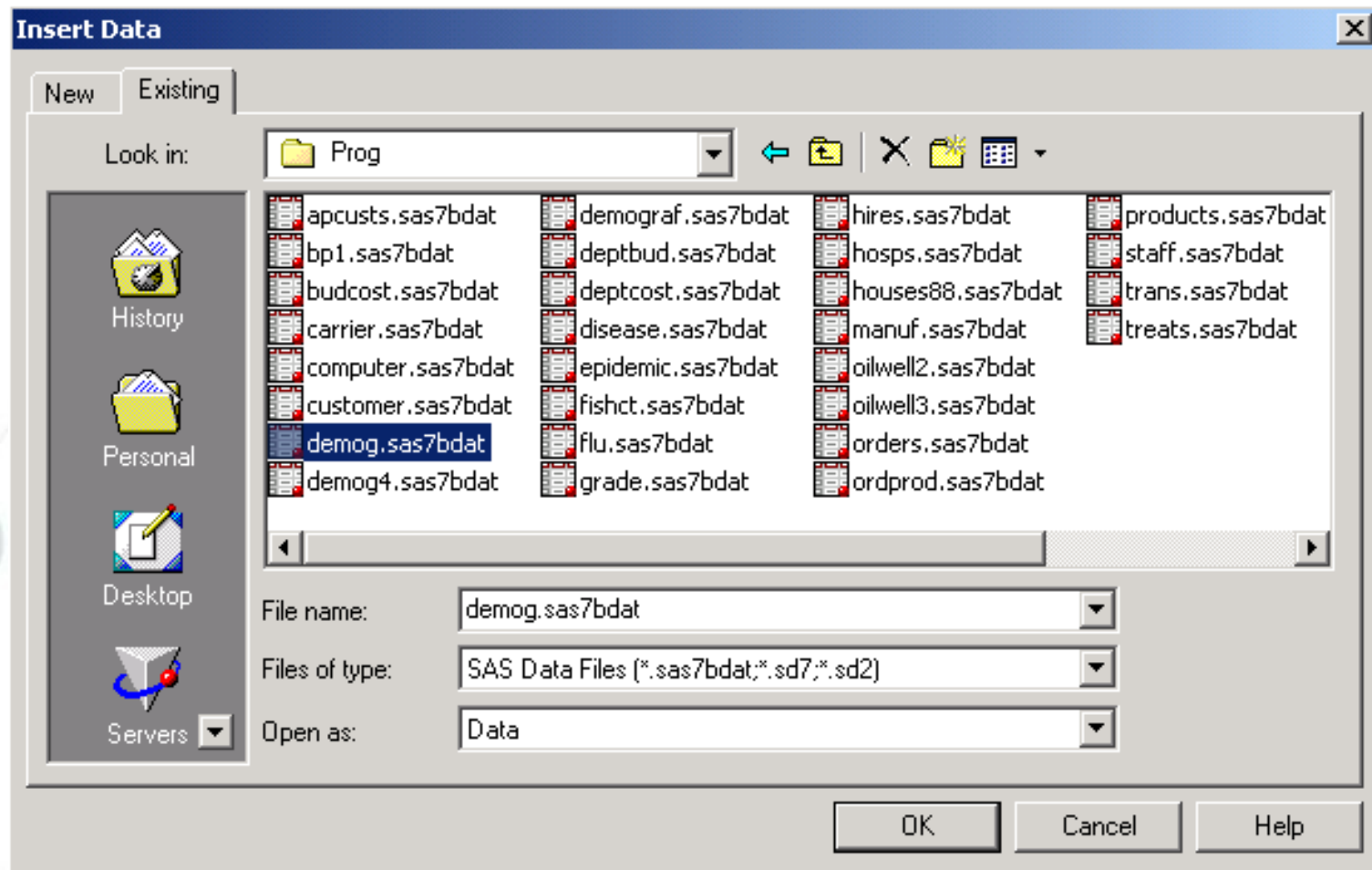


# Add to your project

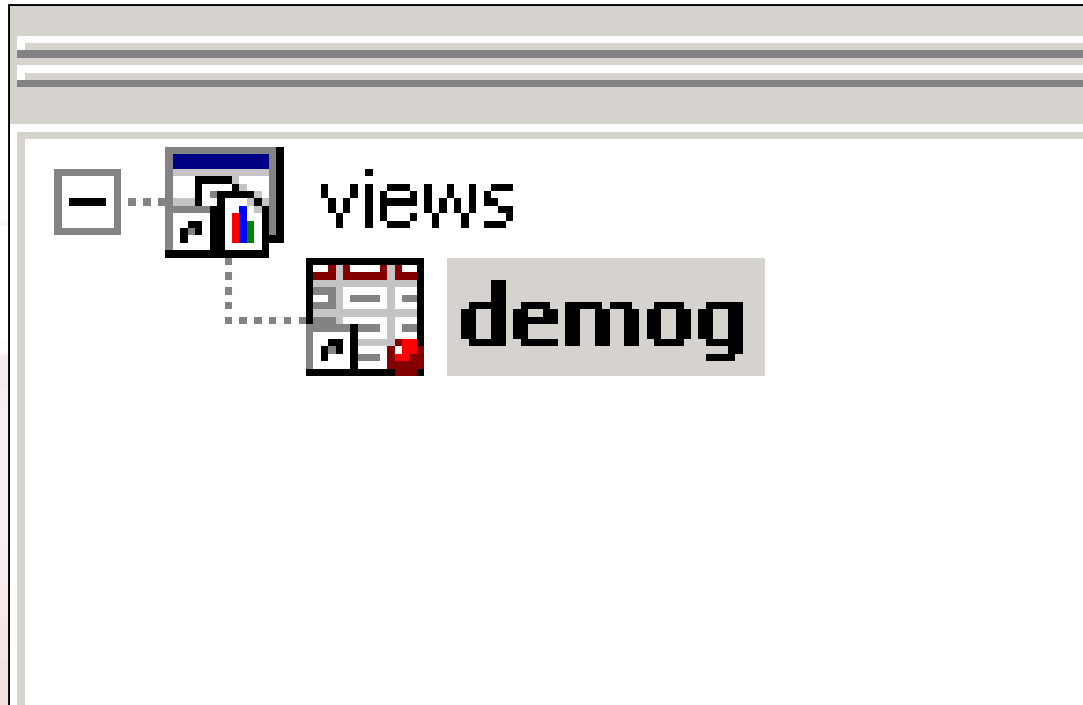
- Add data
- Add code
- Add a file
- Add a note

*All of the above can be new or existing.*

# Add to your project - Table

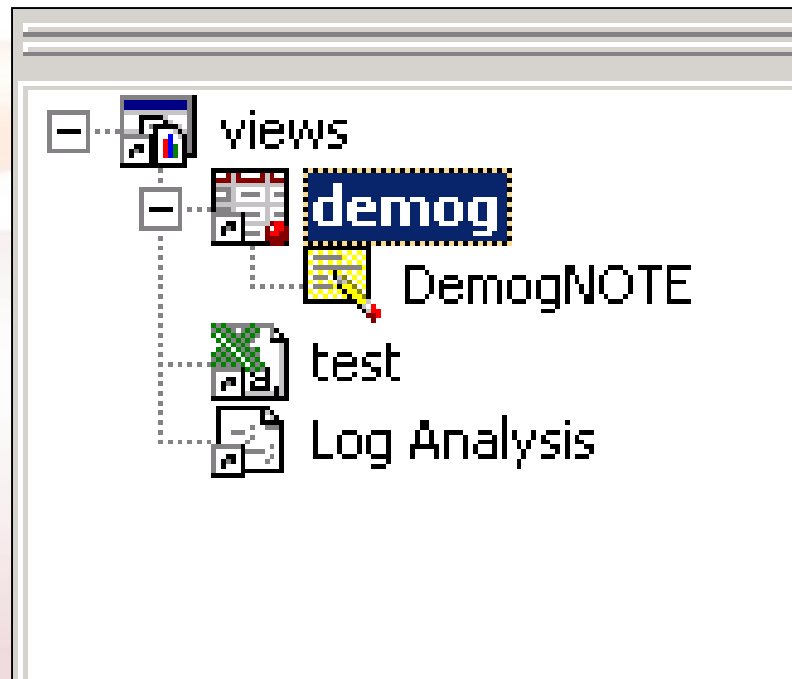


# Add to your project - Table



# Add to your project

- You can add code, data, notes and files to your project.



# View your data

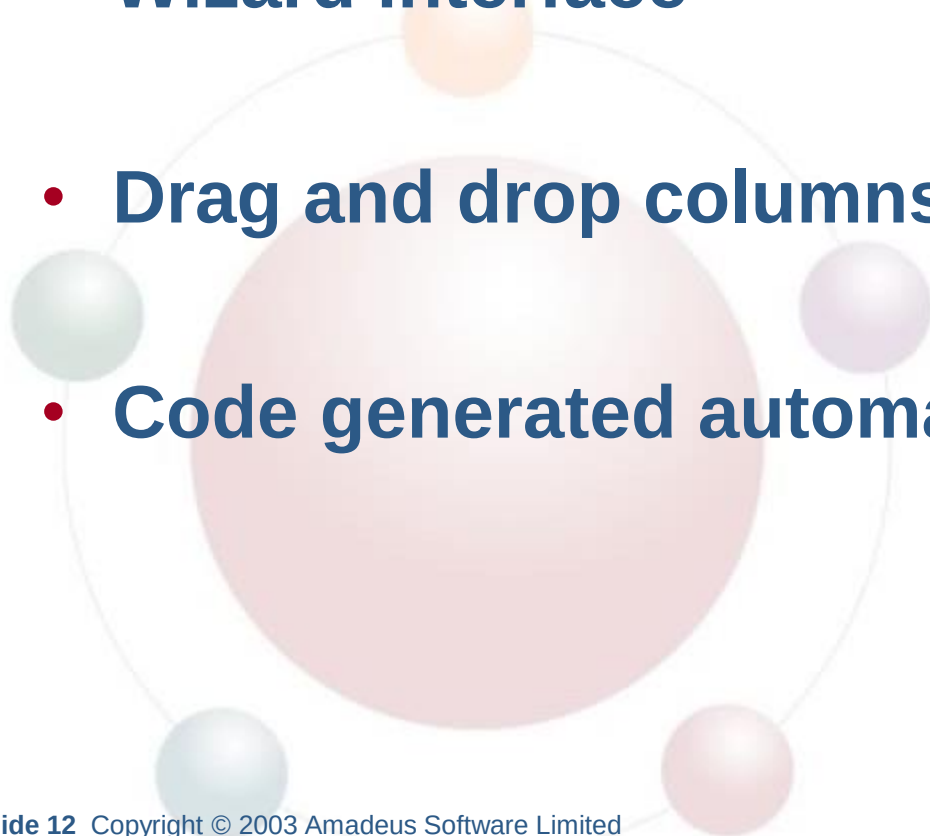
- Ability to view both SAS datasets and your files that you have added
- Easy to use table view
- Have many tables open
- Add, delete, modify and derive columns

# View your data - Table

|    | age | gender | height | weight | status | children | c |
|----|-----|--------|--------|--------|--------|----------|---|
| 1  | 26  | F      | 87     | 74     | M      | 1        |   |
| 2  | 23  | F      | 84     | 88     | P      | 1        |   |
| 3  | 34  | F      | 78     | 72     | M      | 2        |   |
| 4  | 38  | F      | 69     | 56     | M      | 2        |   |
| 5  | 56  | F      | 52     | 60     | M      | 3        |   |
| 6  | 52  | F      | 66     | 69     | M      | 5        |   |
| 7  | 60  | F      | 88.5   | 71     | M      | 3        |   |
| 8  | 56  | F      | 61     | 61     | M      | 0        |   |
| 9  | 46  | F      | 63     | 76     | VV     | 3        |   |
| 10 | 65  | F      | 87     | 81     | M      | 2        |   |
| 11 | 23  | F      | 78     | 80     | S      | 0        |   |
| 12 | 36  | F      | 53     | 69     | M      | 1        |   |
| 13 | 25  | F      | 52     | 68     | P      | 2        |   |
| 14 | 24  | F      | 52     | 65     | M      | 0        |   |
| 15 | 48  | F      | 65     | 66     | M      | 2        |   |
| 16 | 57  | F      | 53     | 62     | M      | 2        |   |
| 17 | 51  | F      | 67     | 68     | M      | 5        |   |
| 18 | 61  | F      | 57     | 69     | M      | 3        |   |
| 19 | 22  | F      | 52     | 62     | S      | 0        |   |
| 20 | 36  | F      | 63     | 71     | VV     | 1        |   |
| 21 | 55  | F      | 87     | 71     | M      | 2        |   |
| 22 | 43  | F      | 62     | 73     | M      | 2        |   |
| 23 | 61  | F      | 55     | 62     | M      | 2        |   |
| 24 | 21  | F      | 63     | 62     | M      | 2        |   |
| 25 | 45  | F      | 82.5   | 72     | M      | 1        |   |
| 26 | 25  | F      | 58     | 54     | S      | 0        |   |
| 27 | 28  | F      | 56     | 52     | S      | 0        |   |
| 28 | 19  | F      | 56     | 59     | S      | 0        |   |
| 29 | 35  | F      | 59     | 57     | M      | 2        |   |
| 30 | 30  | F      | 56     | 63     | P      | 1        |   |

# Produce a Report - Tasks

- **Tasks represent procedures**
- **Wizard interface**
- **Drag and drop columns**
- **Code generated automatically**



# Produce a Report - Generate

**List Data for demog** [X]

Columns | Options | Titles

Variables to assign:

| Name                                      |
|-------------------------------------------|
| <input checked="" type="radio"/> age      |
| <input checked="" type="radio"/> gender   |
| <input checked="" type="radio"/> height   |
| <input checked="" type="radio"/> weight   |
| <input checked="" type="radio"/> status   |
| <input checked="" type="radio"/> children |
| <input checked="" type="radio"/> cars     |
| <input checked="" type="radio"/> salary   |
| <input checked="" type="radio"/> grade    |
| <input checked="" type="radio"/> hours    |
| <input checked="" type="radio"/> dept     |
| <input checked="" type="radio"/> overtime |
| <input checked="" type="radio"/> cc       |
| <input checked="" type="radio"/> staffno  |

→

←

List data roles:

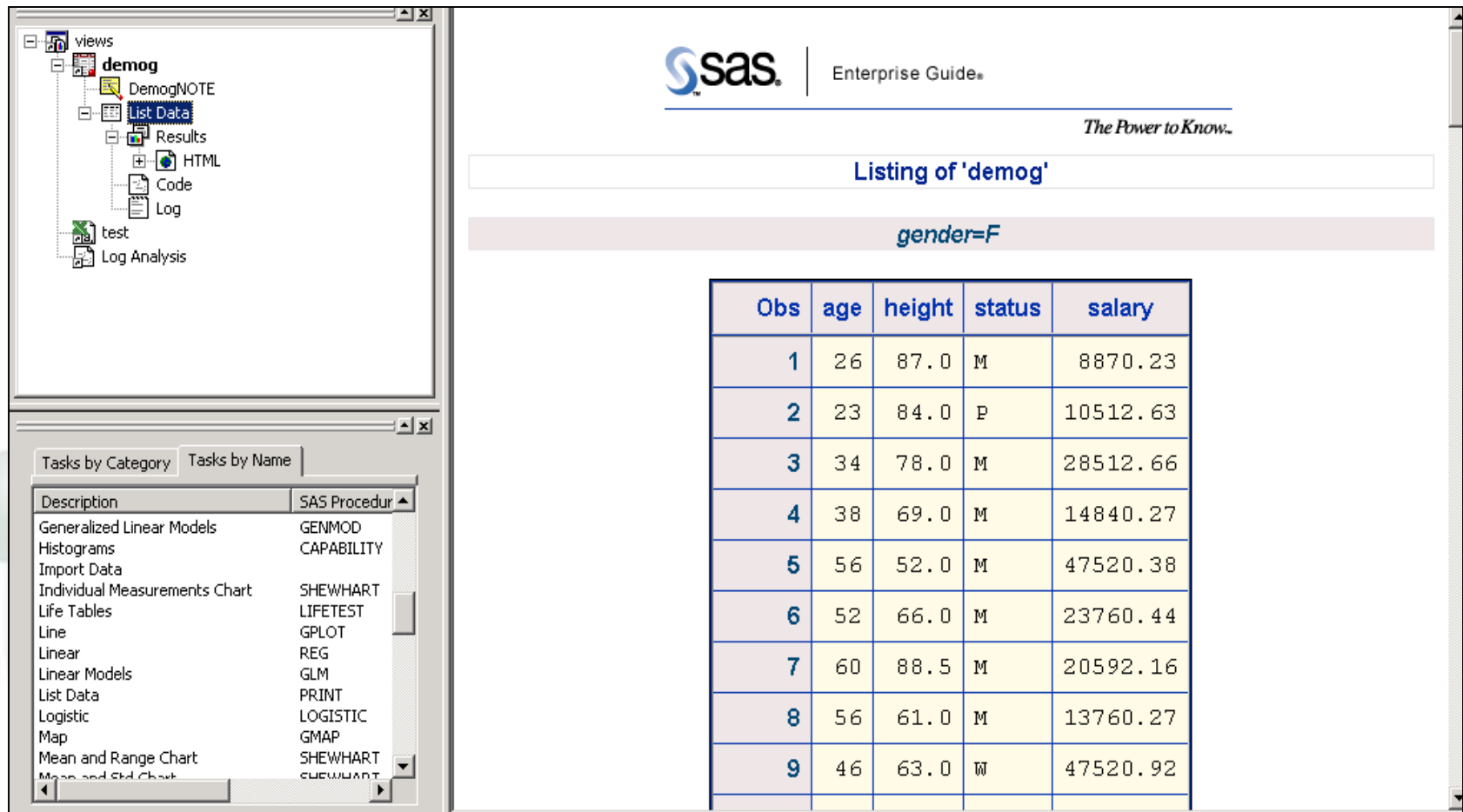
- ☒ List variables
  - ☒ age
  - ☒ height
  - ☒ status
- ☒ Group table by
  - ☒ gender
- ☒ Page by (Limit: 1)
- ☒ Total by
  - ☒ salary
- ☒ Subtotal by (Limit: 1)
- ☒ Identifying label

↑ ↓

☒ Run task now  
☐ Preview task code

< Back   Next >   Finish   Cancel   Help

# Produce a Report – View your results



The screenshot displays the SAS Enterprise Guide interface. On the left, a project tree shows a project named 'demog' containing a 'List Data' task. Below the tree, a 'Tasks by Category' pane lists various SAS procedures, including GENMOD, CAPABILITY, SHEWHART, LIFETEST, GPLOT, REG, GLM, PRINT, LOGISTIC, GMAP, and SHEWHART. The main window on the right shows the 'Listing of 'demog'' report. The report header includes the SAS logo, 'Enterprise Guide', and the tagline 'The Power to Know.'. Below the header, the text 'gender=F' is displayed. The main content is a table with 5 columns: Obs, age, height, status, and salary. The table contains 9 rows of data.

**Listing of 'demog'**

*gender=F*

| Obs | age | height | status | salary   |
|-----|-----|--------|--------|----------|
| 1   | 26  | 87.0   | M      | 8870.23  |
| 2   | 23  | 84.0   | P      | 10512.63 |
| 3   | 34  | 78.0   | M      | 28512.66 |
| 4   | 38  | 69.0   | M      | 14840.27 |
| 5   | 56  | 52.0   | M      | 47520.38 |
| 6   | 52  | 66.0   | M      | 23760.44 |
| 7   | 60  | 88.5   | M      | 20592.16 |
| 8   | 56  | 61.0   | M      | 13760.27 |
| 9   | 46  | 63.0   | W      | 47520.92 |

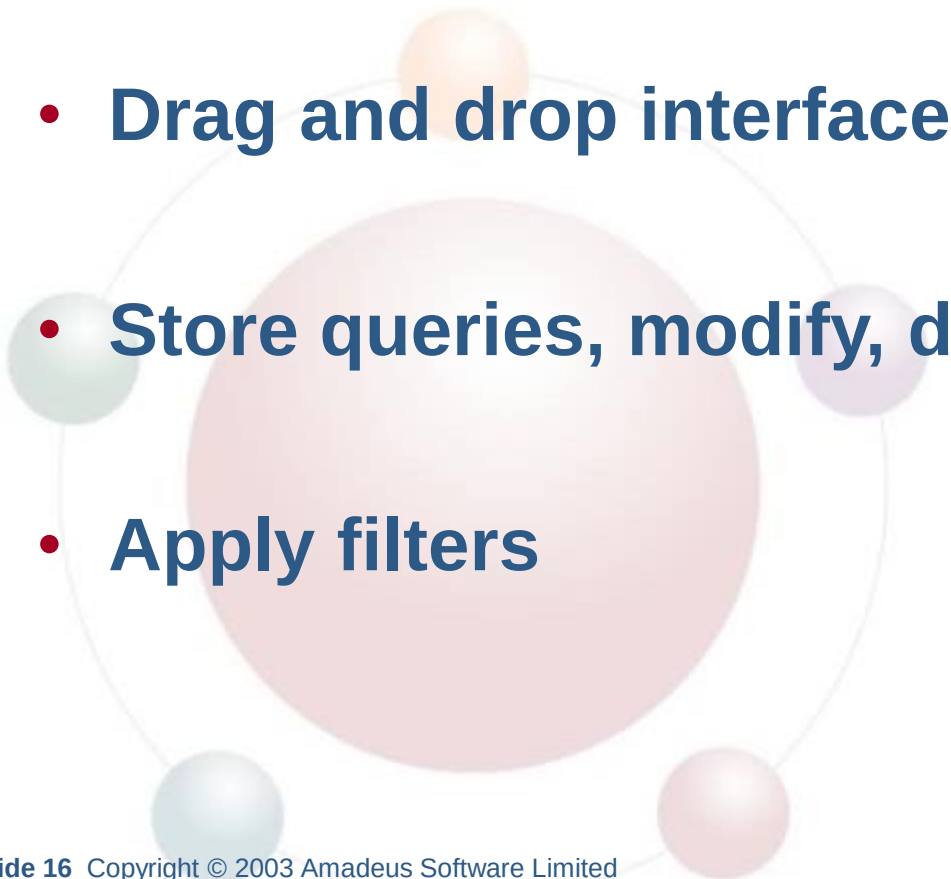
# Produce a Report - View the Code

- Code will remain attached to your project even when the project is closed as long as it is saved. It will be replaced when you re-run your task.

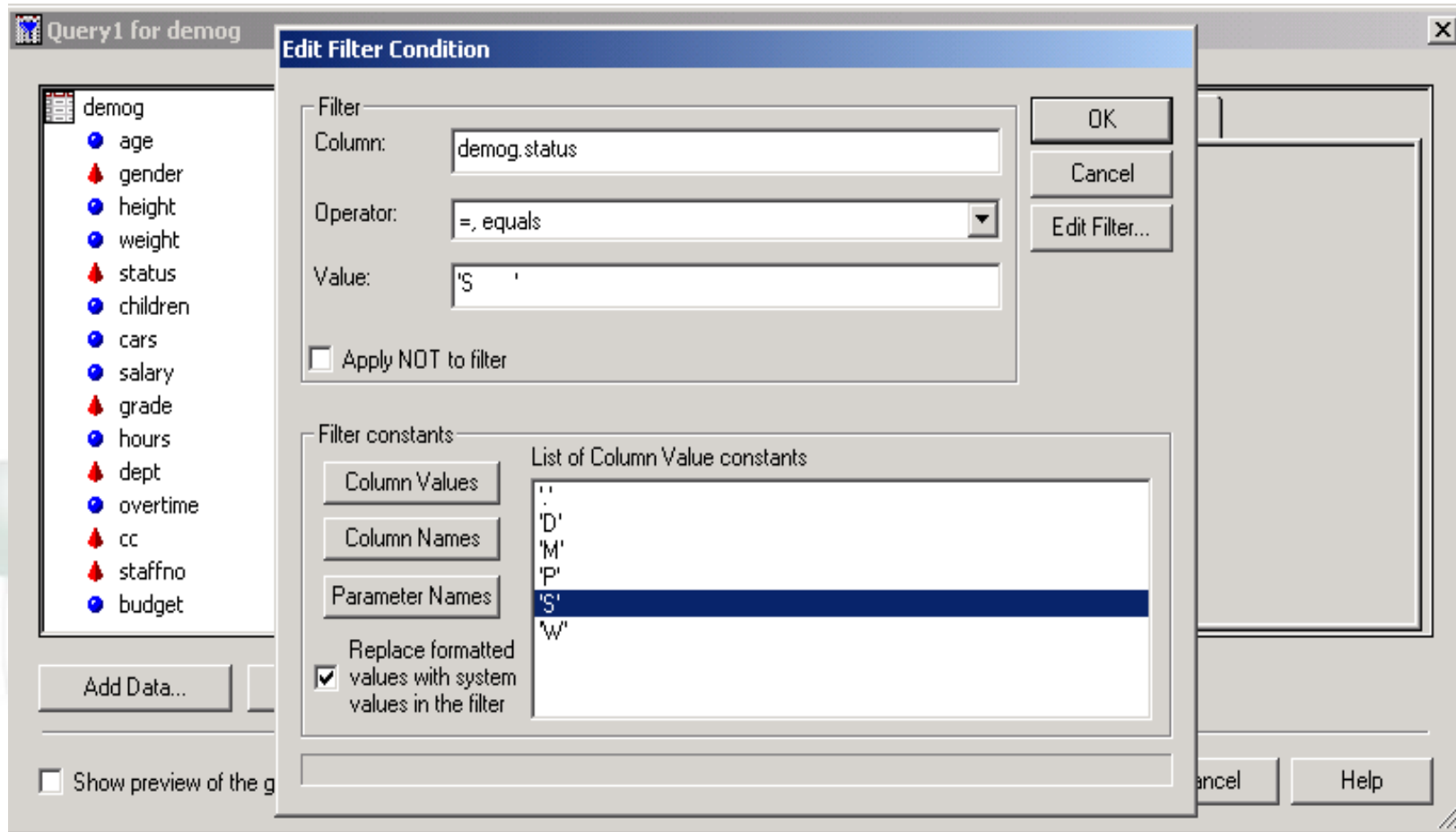
```
/* Create a sorted dataset */  
PROC SQL; DROP VIEW WORK._egtemp_; QUIT;  
  
PROC SORT DATA=ECLIB000.demog(KEEP=age height status gender salary)  
    OUT=WORK._egtemp_;  
    BY gender;  
RUN;  
  
PROC PRINT DATA=WORK._egtemp_  
    LABEL  
    N;  
    VAR age height status;  
    BY gender;  
    SUM salary;  
RUN;  
  
/* End of task code. */  
  
PROC DELETE DATA=WORK._egtemp_; RUN;  
TITLE;FOOTNOTE;RUN;  
%LET _EGTASKLABEL =;
```

# Query your data

- **Interactive wizards allow you to build up complex queries**
- **Drag and drop interface**
- **Store queries, modify, delete and re-run.**
- **Apply filters**



# Query your data - Generate



# Query your data - Output

The screenshot displays the SAS user interface. On the left, a project tree shows a hierarchy starting with 'views', containing 'demog', which includes 'DemogNOTE', 'List Data', 'Results', 'HTML', 'Code', and 'Log'. Below this is a 'test' folder containing 'Log Analysis', 'Query1 for demog', 'Results', 'Code', and 'Log'. The 'Results of Query1 for demog' is highlighted. At the bottom left, a 'Tasks by Category' pane shows a list of tasks and their corresponding SAS procedures.

|    | status | age | gender |
|----|--------|-----|--------|
| 1  | S      | 23  | F      |
| 2  | S      | 22  | F      |
| 3  | S      | 25  | F      |
| 4  | S      | 28  | F      |
| 5  | S      | 19  | F      |
| 6  | S      | 22  | F      |
| 7  | S      | 22  | M      |
| 8  | S      | 30  | M      |
| 9  | S      | 33  | M      |
| 10 | S      | 54  | M      |
| 11 | S      | 19  | M      |
| 12 | S      | 40  | M      |
| 13 | S      | 18  | M      |
| 14 | S      | 43  | M      |
| 15 | S      | 23  | M      |
| 16 | S      | 18  | M      |
| 17 | S      | 24  | M      |
| 18 | S      | 26  | M      |
| 19 | S      | 29  | M      |
| 20 | S      | 27  | M      |
| 21 | S      | 21  | M      |
| 22 | S      | 26  | M      |
| 23 | S      | 20  | M      |
| 24 | S      | 23  | M      |

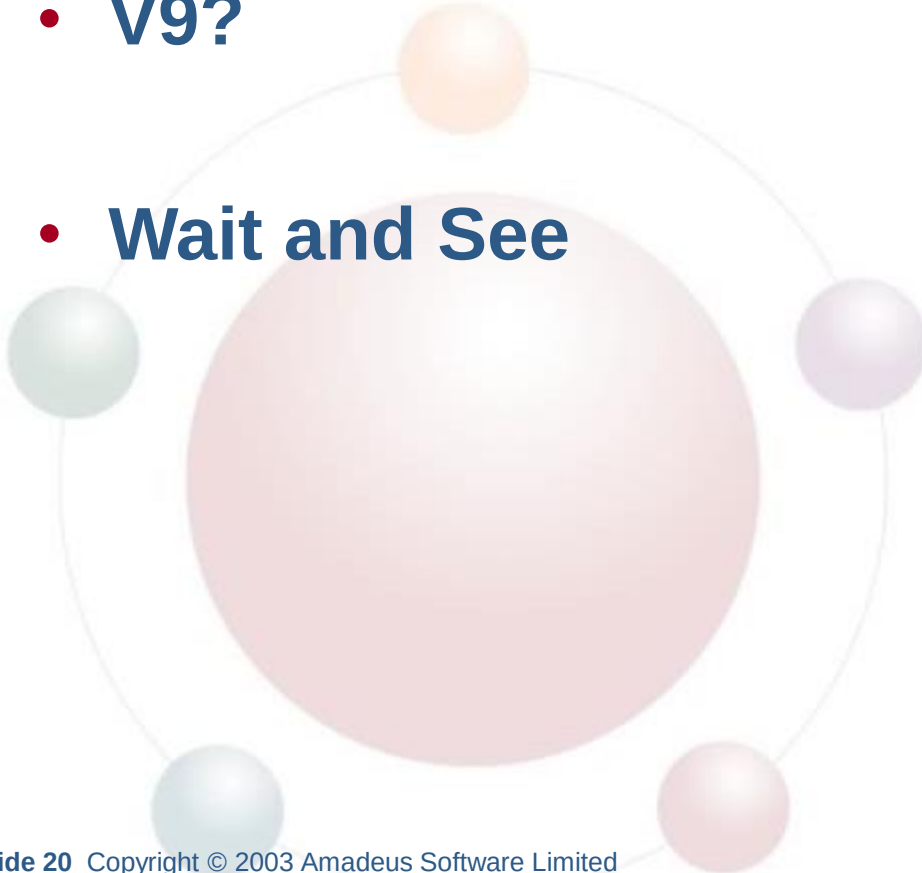
| Description                   | SAS Procedure |
|-------------------------------|---------------|
| Generalized Linear Models     | GENMOD        |
| Histograms                    | CAPABILITY    |
| Import Data                   |               |
| Individual Measurements Chart | SHEWHART      |
| Life Tables                   | LIFETEST      |
| Line                          | GPlot         |

# Conclusion

- **Good for non-technical users**
- **Easy to use wizard boxes**
- **Easy to maintain as can be contained within a project**
- **Technical users may find it frustrating, using the wizards**
- **Technical users can write code directly**
- **Lots more being developed for Enterprise Guide**
- **Lets see what future versions have in store**

# Enterprise Guide: The Future

- Preferred front end to the SAS System?
- V9?
- Wait and See



# Contact Information

## Amadeus Software Ltd

- **Tel:- +44 (0)1993 878287**
- **Fax:- +44 (0)1993 878042**
- **Email:- [Lynn.Pope@AMADEUS.CO.UK](mailto:Lynn.Pope@AMADEUS.CO.UK)**
- **Web:- [WWW.AMADEUS.CO.UK](http://WWW.AMADEUS.CO.UK)**

