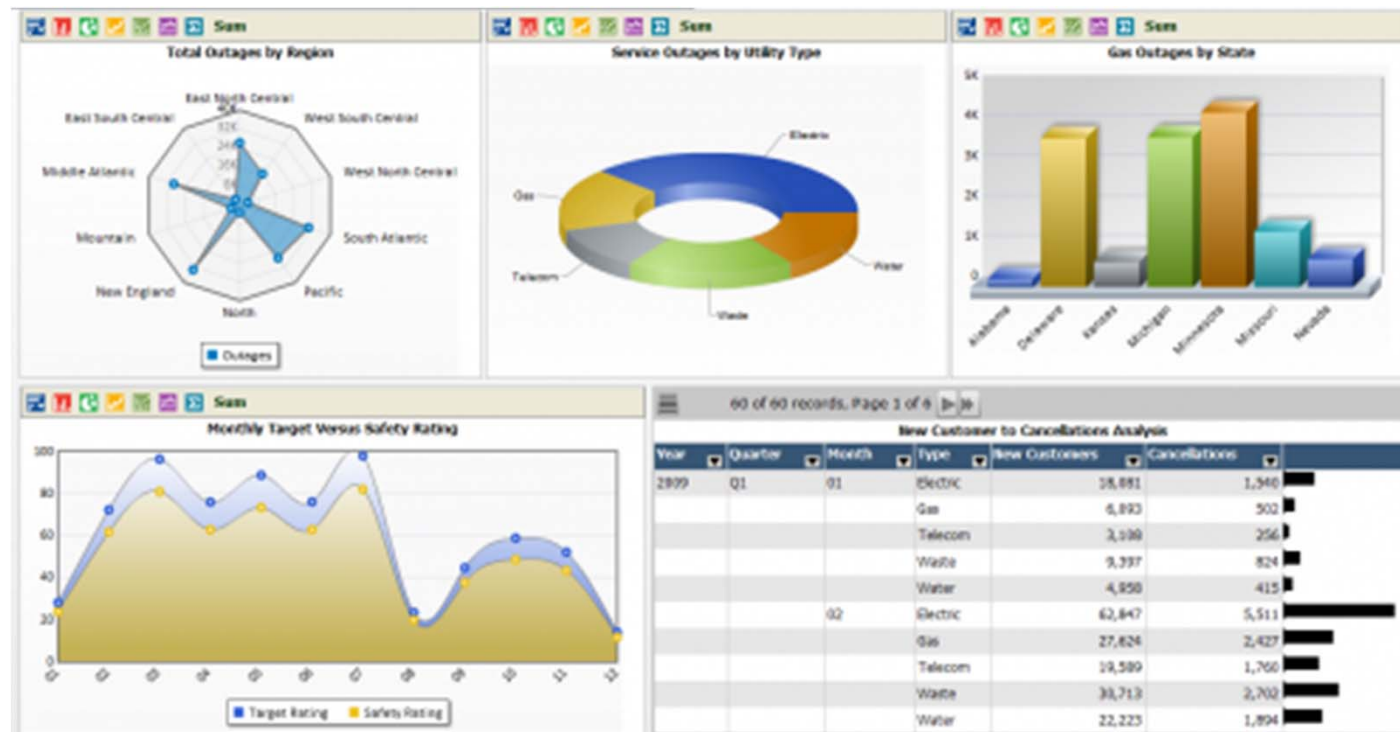


# Intermediate Developer Studio Training



- Module 1: Review
- Module 2: More on Parameters
- Module 3: More on Drill Downs
- Module 4: More on Hold Files
- Module 5: More Functions
- Module 6: Letter Generation
- Module 7: Accordion Reports
- Module 8: Advanced Graph Assistant
- Module 9: HTML Editor
- Module 10: Composer

# Module 1: Review

- Know your Data
- WebFOCUS Processing
- Sorting
- WHERE & WHERE TOTAL
- Parameters
- JOINS
- Defined and Computed Fields

# Module 1 Review continued

- PREFIX Operators
- Visualizing a Report
- Drill Down Report
- HOLD files and Output Types
- RANK and Table of Contents
- Functions
- SQL Wizard

# EXERCISE 1.1

- WebFOCUS Jeopardy

# MODULE 2

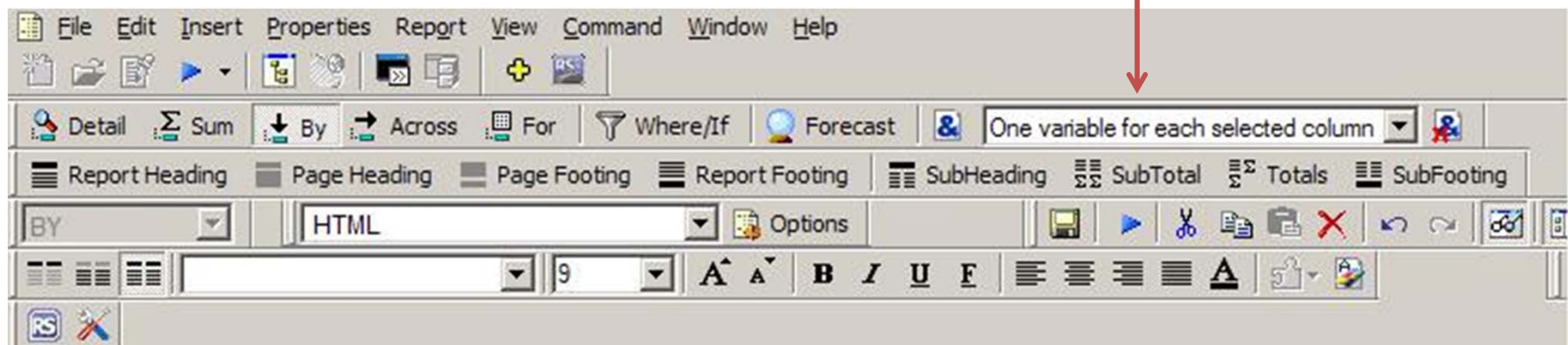
## MORE on PARAMETERS



WHERE CHOCOLATE EQ  
JELLY\_FILLED OR  
NUT\_FILLED OR  
FUDGE\_FILLED OR  
COCONUT\_FILLED

# Generate a Parameter Group Tool

- Not really a Where parameter but allows the end user to pick what fields will be on their report.





One Variable for each selected column

**Parameters**

Please select sort field(s)    Please select sort field(s)    Please select sort field(s)    Please select sort field(s)

DEPARTMENT\_DESC    COLLEGE\_DESC    ACADEMIC\_PERIOD    None

Run    Reset    Clear Output    ☐ Run in a new window

▲ ○○○○○○○○ ▼

One Variable for all selected columns

**Parameters**

Please select sort field(s)

Select All  
ACADEMIC\_PERIOD  
COLLEGE\_DESC  
DEPARTMENT\_DESC

Run    Reset    Clear Output    ☐ Run in a new window

▲ ○○○○○○○○ ▼

# Exercise 2.1

## Using the Generate a Parameter Tool

# FOC\_NONE

- How to PROMPT for multiple parameters, but in a way that any combination can be entered, and skip over parameters.

# -SET

- With -SET, you can assign a value computed in an expression.
- ***Syntax:*** -SET &[&]name=expression;
- where: &name is the name of the variable.
- expression; is a valid literal, arithmetic, or logical expression.
- Expressions can occupy several lines, so you should end the command with a semicolon (;).

## Example of -SET

- -SET &LNAME = IF '&LAST\_NAME.EVAL' EQ "  
THEN 'FOC\_NONE' ELSE '&LAST\_NAME.EVAL';

# -PROMPT

- The Dialogue Manager command -PROMPT solicits values before the variables to which they refer are used in the procedure. The user is prompted for a value as soon as -PROMPT is encountered.
- With -PROMPT you can specify format, text, and lists in the same way as all other variables.

# Examples of -PROMPT

- -PROMPT &BANNER\_ID
- -PROMPT &LAST\_NAME

# Exercise 2.2

## Using FOC\_NONE, -SET AND -PROMPT



# Module 3

## More Drill Downs



Style | Drill Down | Sort | General

Active Object  
Column Title And Data





Copy Title Style To Data  
Copy Data Style To Title

Applying to Condition  
~ Unconditional

Condition Rule  
Unconditional

Move Condition Up  
Move Condition Down  
Clear Associated Styling  
Edit Conditions...

Drill Down Definition  
☒ Multiple Drill Downs

Drill Menu Items:    

DrillDown 1

Drill Down Type:  
Execute Procedure

Procedure Name:  
 Browse... Open...

Target Frame:

With Parameters

Add...  
Edit...  
Delete

OK Cancel Apply Help

LAST NAME	FIRST NAME	MIDDLE NAME
<a href="#">Atkinson</a>	<a href="#">Jasmine</a>	.
<a href="#">Atkinson</a>	<a href="#">Blain</a>	<a href="#">Andrew</a>
<a href="#">Atkinson</a>	<a href="#">Kevin</a>	<a href="#">Isaac</a>
<a href="#">Atkinson</a>	<a href="#">Samuel</a>	<a href="#">Joseph</a>

[General Screen](#)  
[Review](#)  
[Education](#)  
[Conduct](#)  
[Notes](#)  
[Documents](#)  
[Residency](#)  
[Military](#)  
[Scholarships](#)  
[Test Scores](#)  
[Contact TO and FROM](#)

# Exercise 3.1

## Multiple Drill Downs

# Module 4

## HOLD FILES



## Creating and Using Hold Files

As part of the HR Datamart project, the University is required to submit data concerning race to the State each month. We are to submit one record per person in a specific format. The race fields to be populated are:

RACE_W—White/Caucasian	Y or N value
RACE_B—Black/African American	Y or N value
RACE_N—Alaskan Native or American Indian	Y or N value
RACE_A—Asian	Y or N value
RACE_P—Native Hawaiian/Other Pacific Islander	Y or N value

The following are the race codes that are in Banner (GORPRAC\_RACE\_CDE)

Oracle Developer Forms Runtime - Web: Open > PPAIDEN

File Edit Options Block Item Record Query Tools Help

Identification: PPAIDEN 5.2 (PROD)

ID: Race Rules (GORPRAC)

Find: %

Race Code	Description
100	American Indian or Alaska Native
200	Asian
300	Black or African American
400	Native Hawaiian or Other Pacific Islander
500	White

Current: 500 White

Generate ID: [Generate]

E-mail: [ ] Emergency Contact: [ ] Additional Identification: [ ]

Deceased Date: [ ]

File Number: [ ] Category: [None] Activity Separation Date: [ ]

User: SCTCVT Activity Date: 17-SEP-2008

Confidential [ ] Deceased [ ]

Armed Forces Service Medal Indicator [ ] Special Disabled Veteran [ ]

Ethnicity: [w] White not of Hispanic origin

New Ethnicity: [ ] Not Hispanic or Latino

Ethnicity and Race Confirmed [ ]

Confirmed Date: [ ]

Race: 500 White

User: SCTCVT Activity Date: 17-SEP-2008

Choices in list 5 Record 2/2

List of Values [ ] [OSC]

9:51 AM 3/26/2012

# Exercise 4.1

## Hold Files

# Module 5

## More Functions

$f(x)$



# HDATE

- Converts a Date Time Value to just a Date Value
- Syntax:

HDATE(value, 'YYMD', outfield)

# Exercise 5.1

## HDATE

# HGETC

- HGETC syntax:

HGETC(length, outfield)

Examples:

HGETC stores the current date and time in DT2

DT2/HYYMDm=HGETC(10, 'HYYMDm')

COMPUTE DT2/HYYMDm =HGETC(10,DT2)

# DATEDIF

- DATEDIF is a function used to find the difference between two dates.

- Syntax:

DATEDIF(from\_date, to\_date, 'Unit',[ outfield])

Example:

DATEDIF(March31, May31, 'M') will yield 2.

# Exercise 5.2

## Using HGETC and DATEDIFF

# HPART

The HPART function extracts a specified component from a date-time field and returns it in numeric format.

- Syntax:

HPART(value, 'Component', outfield)

# Exercise 5.3

## Using HPART

# SUBSTRNG

- The SUBSTRNG function extracts a substring based on where it begins and its length in the parent string. SUBSTRNG can vary the position of the substring depending on the values of other fields.

- Syntax:

SUBSTRNG(inlength, parent, start, end, sublength, outfield)



# POSIT

- The POSIT function finds the starting position of a substring within a larger string.

- Syntax:

POSIT(parent, inlength, substring, sublength, outfield)

## Exercise 5.4

- Using POSIT and SUBSTRNG

# Module 6

## Letter Generation



Developer Studio - [Report Painter Batch L1 Letter by Placement Date (HOLD\_L1S)]

File Edit Insert Properties Report View Command Window Help

Detail Sum By Across For Where/If Forecast One variable for each selected column

Report Heading Page Heading Page Footing Report Footing SubHeading SubTotal Totals SubFooting

PDF Options

TIMES NEW ROMAN 10

Object Inspector

- Special Fields
- Variables
- Computed Fields
  - SEG01
    - FOCLIST
    - TBBACCT\_PIDM
    - SPRIDEN\_ID
    - Full\_Name
    - NOW
    - NOW1
    - New\_ACT\_DT
  - SPRADDR
    - SPRADDR\_PIDM
    - SPRADDR\_ATYP\_CODE
    - SPRADDR\_SEQNO
    - SPRADDR\_STATUS\_IND
    - SPRADDR\_FROM\_DATE
    - SPRADDR\_TO\_DATE
    - SPRADDR\_STREET\_LINE1
    - SPRADDR\_STREET\_LINE2
    - SPRADDR\_STREET\_LINE3
    - SPRADDR\_CITY
    - SPRADDR\_STAT\_CODE
    - SPRADDR\_ZIP
    - SPRADDR\_CNTY\_CODE
    - SPRADDR\_NATN\_CODE
    - SPRADDR\_PHONE\_AREA
    - SPRADDR\_PHONE\_NUMBER

Columns Properties Fields

Sort Groups Setup Pivot Images

<HOLD\_L1S.SEG01.NOW1

<HOLD\_L1S.SEG01.Full\_Name

<J4.SPRADDR.SPRADDR\_STREET\_LINE1

<J4.SPRADDR.City\_St\_Zip

Account Number: <HOLD\_L1S.SEG01.SPRIDEN\_ID

Dear <HOLD\_L1S.SEG01.Full\_Name

Our records indicate that previous notices of your outstanding balance at Appalachian State University totaling \$ <J5.TZVACCD Acct Balance have not been satisfactorily acknowledged. (Please see attached for amount detail.) Appalachian applies a one-time Late fee and monthly Interest charge on past due accounts, per State requirements.

The State policy and regulations governing uncollectible accounts dictate that I am to place your account with the North Carolina Attorney General.

In order to avoid this placement and to preserve your good credit rating, please make payment within (10) days.

To pay by check or money order, mail a check to Appalachian State University, Student Accounts, John Thomas Hall, Boone, North Carolina 28608.

If you cannot meet this payment deadline and would like to set-up an installment plan, please contact me as soon as possible.

Sincerely,  
Connie McVey  
Student Accounts  
828-262-6418

Report Source Images Matrix

Ready NUM

2:51 PM  
5/1/2012

File Edit Insert Properties Report View Command Window Help

Detail Sum By Across For Where/If Forecast One variable for each selected column

Report Heading Page Heading Page Footing Report Footing SubHeading SubTotal Totals SubFooting

BY PDF Options

TIMES NEW ROMAN 10 A A B I U F

Object Inspector

- Special Fields
- Variables
- Computed Fields
  - SEG01
    - FOCLIST
    - TBBACCT\_PIDM
    - SPRIDEN\_ID
    - Full\_Name
    - NOW
    - NOW1
    - New\_ACT\_DT
    - SPRADDP

To pay by check or money order, mail a check to Appalachian State University, Student Accounts, John Thomas Hall, Boone, North Carolina 28608.

If you cannot meet this payment deadline and would like to set-up an installment plan, please contact me as soon as possible.


Sincerely,  
Connie McVey  
Student Accounts  
828-262-6418


SPRIDEN\_ID  
Axxxxxxx


Field Properties for Field SPRIDEN\_ID


Style Drill Down Sort General


Sorting Ranking Actions


Underline: Off 

Skip Line: Off 

No Split: Off 

Fold Line: Off 

Page Break: On 

Restart Page Numbering: Off 

OK Cancel Apply Help

# Exercise 6.1

## Letter Creation

# Module 7

## Accordian Reports





COLLEGE_DESC	CREDITS_PASSED	DEPARTMENT_DESC	CREDITS_PASSED
⊞ .	1,351.34		
⊞ College of Arts & Sciences	1,381,143.88		
⊞ College of Business	288,399.92		
⊞ College of Education	241,742.10		
⊞ College of Fine & Applied Arts	405,930.41		
⊞ College of Health Sciences	70,406.89		
⊞ Honors College	2,239.00		
⊞ No Coll Designated-DO NOT USE	45,103.10		
⊞ School of Music	78,210.07	⊞ Music	78,210.07
⊞ University College	68,136.97		
<b>TOTAL</b>	<b>2,582,663.68</b>		

					ACADEMIC_YEAR					
					2008	2009	2010	2011	2012	2013
COLLEGE_DESC	CREDITS_PASSED	DEPARTMENT_DESC	CREDITS_PASSED	COURSE_IDENTIFICATION	CREDITS_PASSED	CREDITS_PASSED	CREDITS_PASSED	CREDITS_PASSED	CREDITS_PASSED	CREDITS_PASSED
⊞ .	1,351.34									
⊞ College of Arts & Sciences	1,381,143.88									
⊞ College of Business	288,399.92	⊞ Accounting	46,483.17							
		⊞ Business	15,460.91							
		⊞ Computer and Information Syst	47,763.19							
		⊞ Economics	61,413.78							
		⊞ Finance Banking and Insurance	42,622.03							
		⊞ Management	47,210.01							
		⊞ Marketing	27,446.83							
⊞ College of Education	241,742.10									
⊞ College of Fine & Applied Arts	405,930.41									
⊞ College of Health Sciences	70,406.89									
⊞ Honors College	2,239.00									
⊞ No Coll Designated-DO NOT USE	45,103.10									
⊞ School of Music	78,210.07	⊞ Music	78,210.07	AMU0001	2.00	2.00	.00	4.00	.	.
				AMU0002	3.00	.	1.00	.	.	.
				AMU0003	2.00	.00	4.00	9.00	.00	.
				AMU0004	.	.00	.	.	.	.
				AMU0005	.	.00	.	.	.	.

# Exercise 7.1

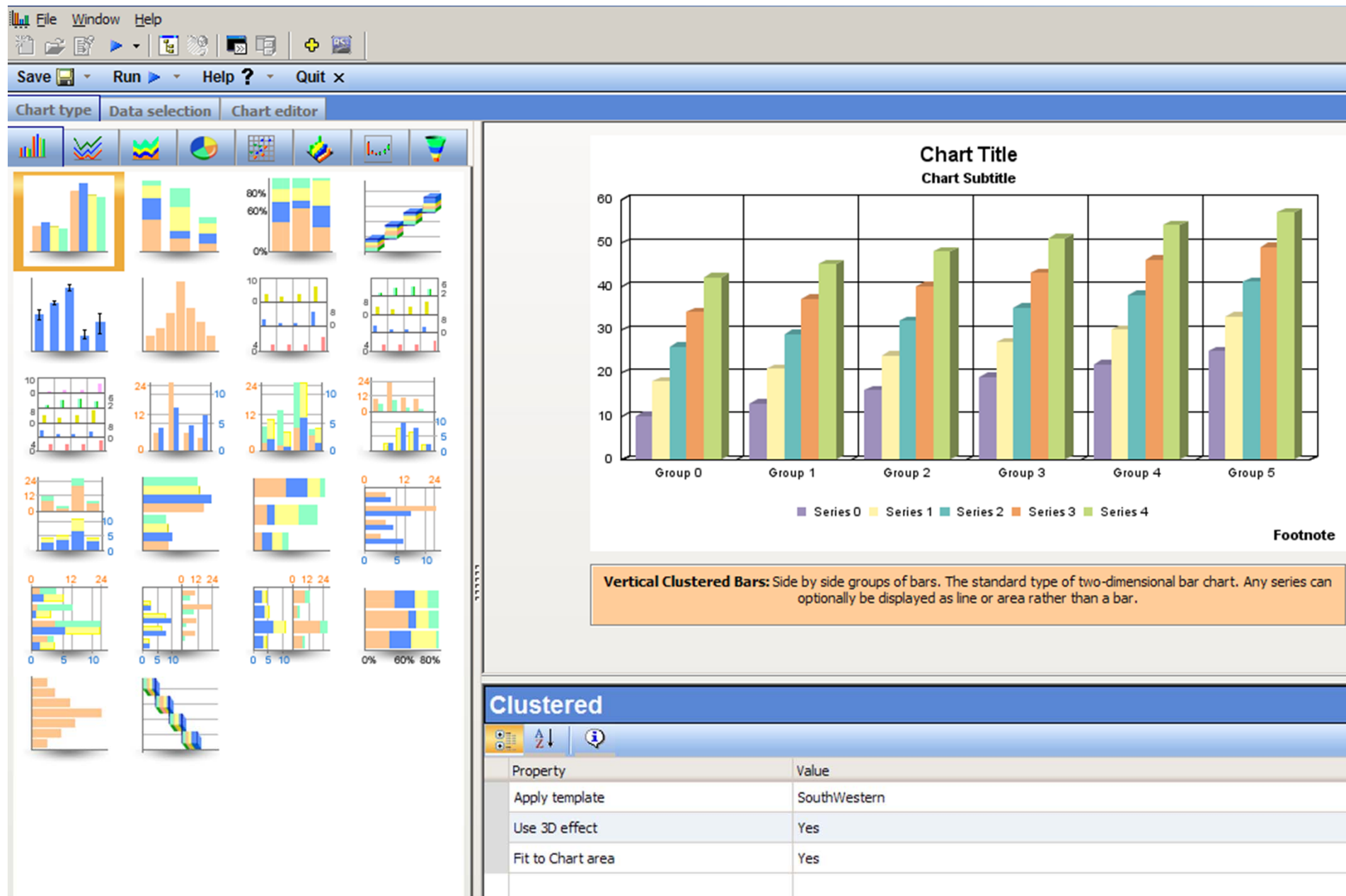
## Accordian Report

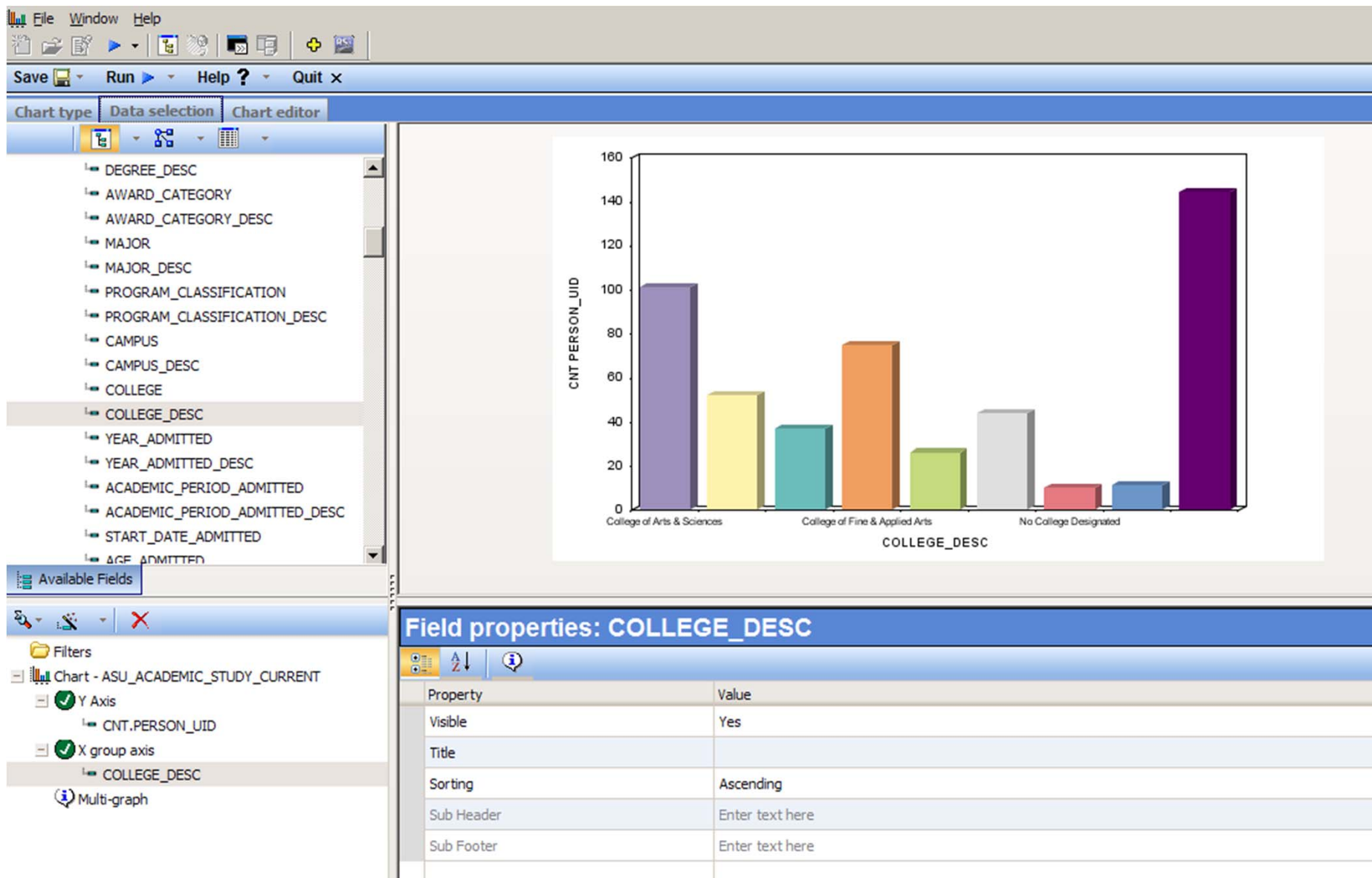
# Module 8

## Advanced Graph Assistant

### Cookie Dough



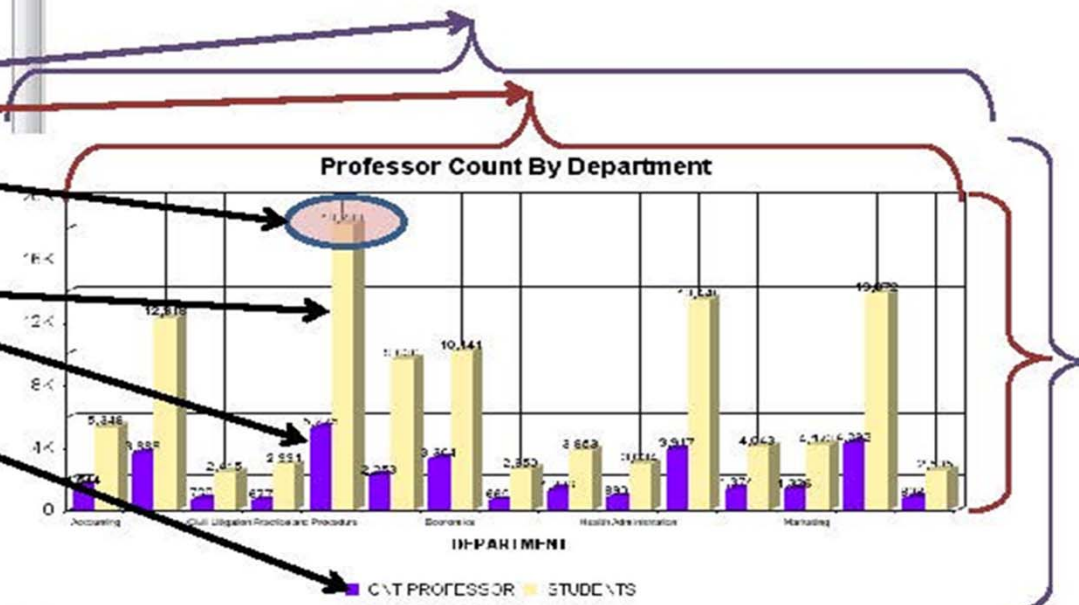




Save Run Help ? Quit

Chart type | Data selection | Chart editor

- Chart objects
  - Chart
    - Quick chart
    - General
    - Background
    - Frame
    - Data labels
  - Series
    - All series
    - Series 0
    - Series 1
  - Legend
    - General
    - Markers
    - Labels
  - Titles
    - Title
    - Subtitle
    - Footnote
  - Ordinal axis
    - General
    - Labels
    - Title
    - Major gridlines
    - Major ticks
    - Major grid color bands
    - Minor gridlines
    - Minor ticks
    - Reference lines
  - Y1 axis

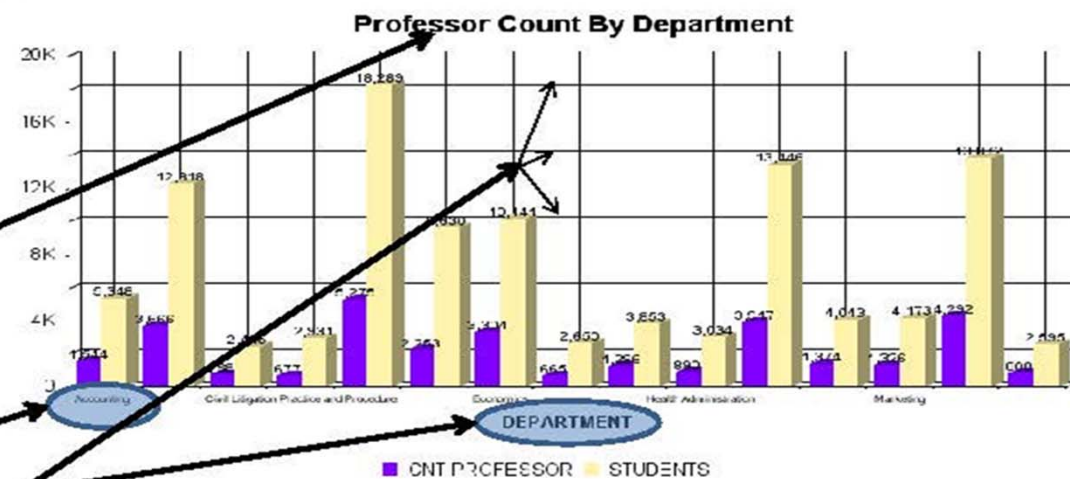


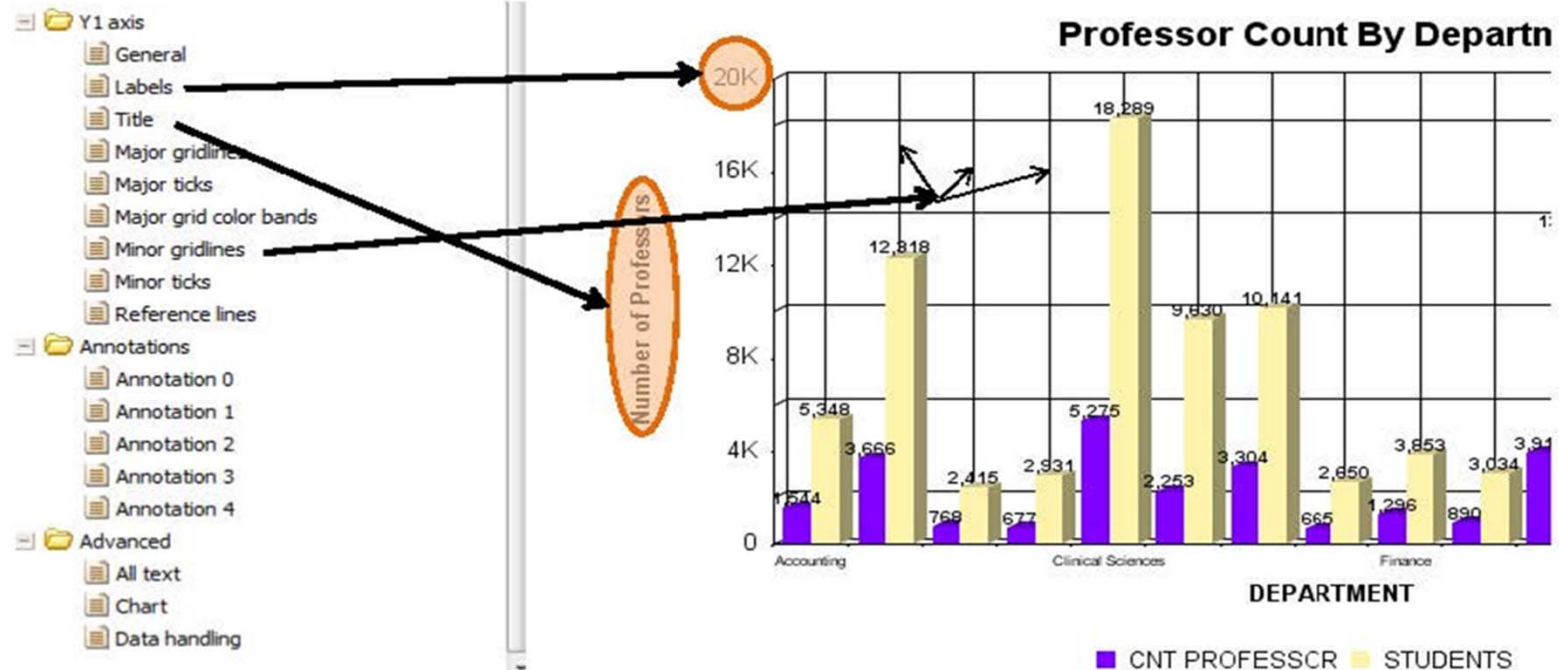
Save Run Help ? Quit x

Chart type Data selection Chart editor

Chart objects

- Chart
  - Quick chart
  - General
  - Background
  - Frame
  - Data labels
- Series
  - All series
  - Series 0
  - Series 1
- Legend
  - General
  - Markers
  - Labels
- Titles
  - Title
  - Subtitle
  - Footnote
- Ordinal axis
  - General
  - Labels
  - Title
  - Major gridlines
  - Major ticks
  - Major grid color bands
  - Minor gridlines
  - Minor ticks
  - Reference lines
- Y1 axis







# Exercise 8.1

## Using the Advanced Graph Assistant

# Exercise 8.2

## More Graphing

# Exercise 8.3

## Even More Graphing

# Exercise 8.4

Another Chart

# Exercise 8.5

Another Chart

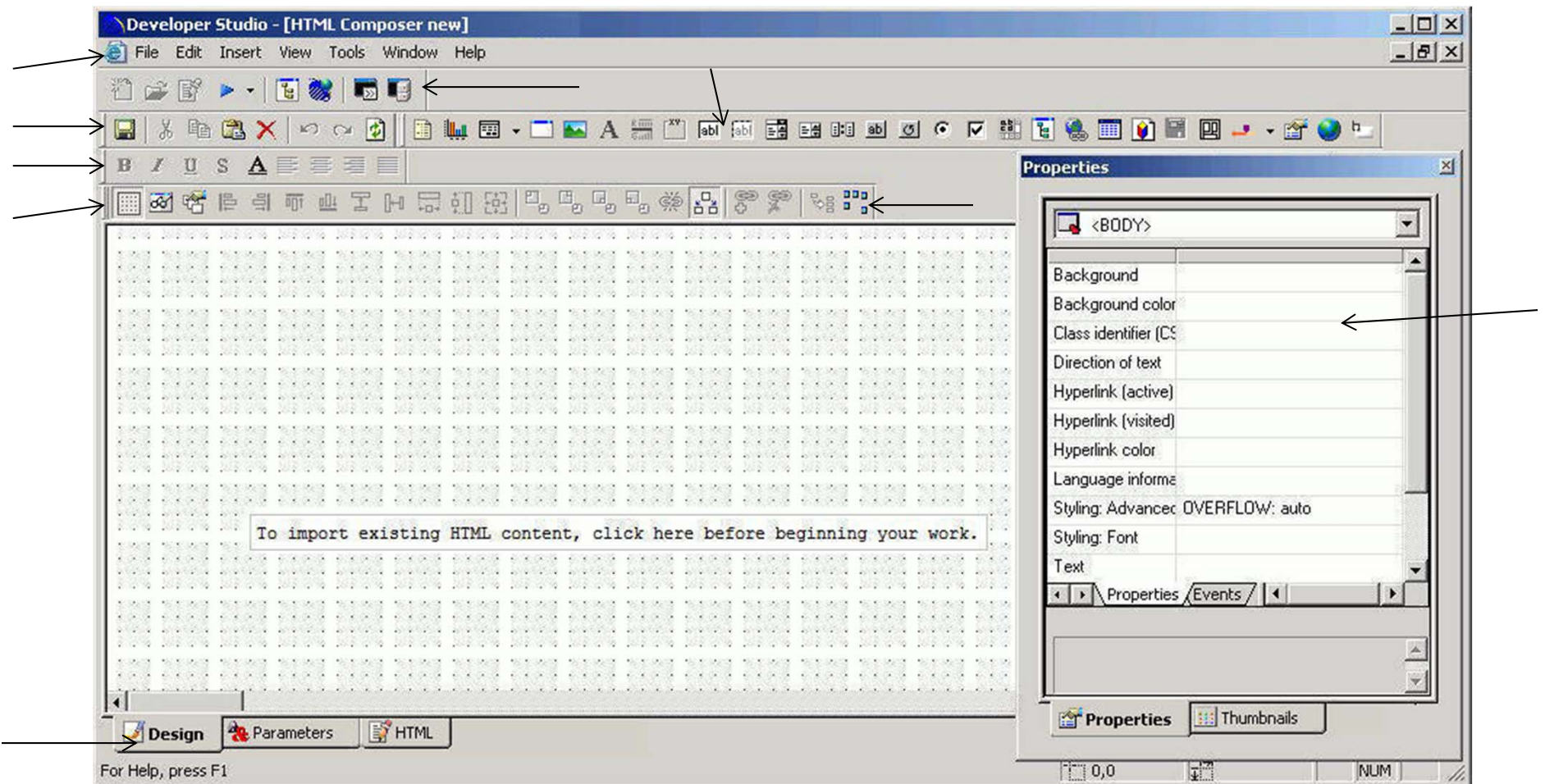
# Exercise 8.6

Last Chart

# Module 9

## HTML Editor

# HTML Editor Window





- Add Headings
- Add Parameters
- Add Pictures
- Add push buttons and reset buttons
- Insert existing report or graph
- Create new report or graph

# Exercise 9.1

- Create an HTML page using a report we have created in class.

## Exercise 9.2

- Create an HTML page using a graph we have created in class

## Exercise 9.3

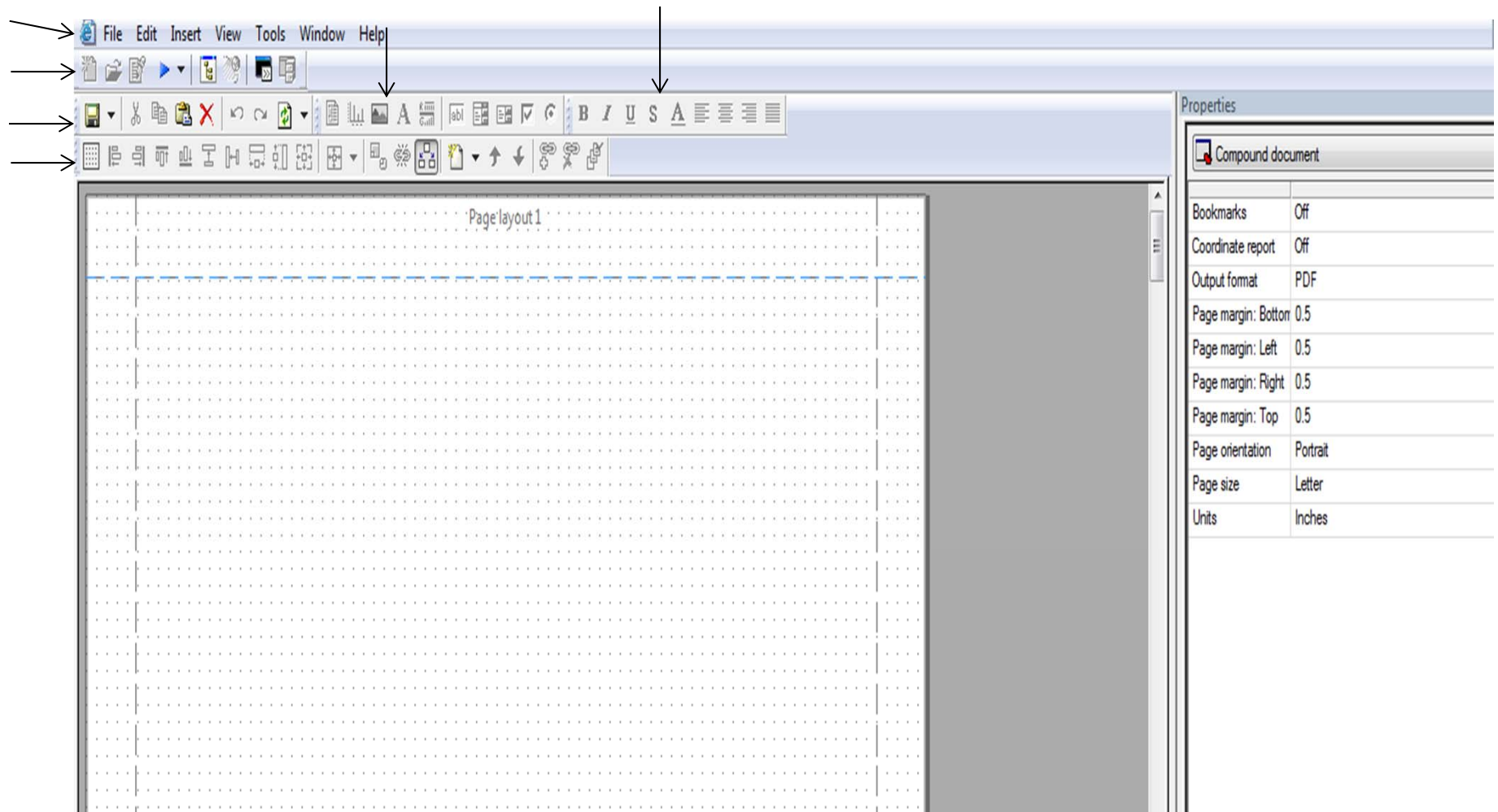
- Create an HTML page without using already created reports or graphs.

# Module 10

## Document Composer



# Document Composer Window



Properties

Page layout 1

Flow margin: bottom	0.5
Flow margin: top	0.5
Page orientation	
Title	Page layout 1
TOC description	
TOC level	1

# EXERCISE 10.1

- Introduction to Document Composer



THE END