SESSION 28: EXCEL ANALYTICS

Assignment 2

1. Introduction

This assignment will help you understand the concepts learnt in the session.

2. Objective

This assignment will test your skills on the concepts of Excel analytics.

3. Prerequisites

Not applicable.

4. Associated Data Files You should form a table on a worksheet titled “class list” that includes the

names and test scores of your students. You have 7 students in your class, their names are: Allen,

Borlin, Catlin, Dorsey, Eugene, Finneran, and Greco. Their scores on the first 3 tests are as follows:

Test 1 Test 2 Test 3

Allen Test 89 Test 78 Test 89

Borlin Test 67 Test 56 Test 66

Catlin Test 78 Test 76 Test 76

Dorsey Test 56 Test 34 Test 45

Eugene Test 26 Test 100 Test 99

Finerran Test 99 Test 98 Test 97

Greco Test 78 Test 87 Test 88

5. Problem Statement

• Below your table, create a graph showing the students’ rounded averages. Be sure to include

appropriate labeling and spacing, so that the graph is non-repetitive and the scale is appropriate. Hint:

A score of 100 is the highest possible.

• Insert a new worksheet. Use the Goal Seek feature to find the value that Eugene needed on Test 1 in

order to earn honors for the course. Show your work by displaying an updated table. Title the

worksheet “Eugene’s dream.” Hint: Do not worry about rounding Eugene’s new “score” for Test 1. If

done properly, the rest of your table should update accordingly.

3 Data Analytics

• From the data on your “class list” worksheet, provide the Descriptive Statistics of your students’

rounded averages.

For the output, create a new worksheet and choose to display “summary statistics”. Rename this

worksheet “Descriptive Statistics”.

The above question answers submitted as per attachment questions received from mail from

Acadgild.

Answers are submitted as downloadable excel file. The following are the picture file from excel

Name Test 1 Test 2 Test 3 Average Rounded Average Honors Grade 60 Number of Honors 1

Allen 89 78 89 85.33333333 85.3 N o B 70 Number of Grade "A" 1

Borlin 67 56 66 63 63 N o D 80 Number of Grade "B" 2

Catlin 78 76 76 76.66666667 76.7 N o C 90 Number of Grade "C" 2

Dorsey 56 34 45 45 45 N o F Number of Grade "D" 1

Eugene 26 100 99 75 75 N o C Number of Grade "F" 1

Finerran 99 98 97 98 98 Yes A

Greco 78 87 88 84.33333333 84.3 N o B

85.3

63

76.7

45

75

98

84.3

0

10

20

30

40

50

60

70

80

90

100

Allen Borlin Catlin Dorsey Eugene Finerran Greco

Rounded Average

Name Test 1 Test 2 Test 3 Average Rounded Average

Allen 89 78 89 85.33333333 85.3

Borlin 67 56 66 63 63

Catlin 78 76 76 76.66666667 76.7

Dorsey 56 34 45 45 45

Eugene 88.93 100 99 95.97622222 96

Finerran 99 98 97 98 98

Greco 78 87 88 84.33333333 84.3

Goal seek used for cell F6 (for value 96) and changed value in B6.

Number of Honors 1

Number of Grade "A" 1

Number of Grade "B" 2

Number of Grade "C" 2

Number of Grade "D" 1

Number of Grade "F" 1

Countif formulas used and shown in sheet "class list"

SUMMARY STATISTICS