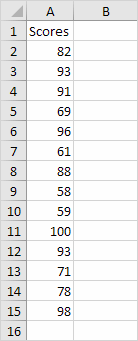
**Project 2**

# Objectives

* Descriptive Statistics
* Charts
* Conditional Formatting
* Filtering & Sorting

# Part 1 Descriptive Statistics

What **measures** can you calculate from this data and what would they tell you.



Result:

A screenshot of a spreadsheet

Description automatically generated

# Part 2 Charts

* 1. You work as reporter in a magazine, specialized in cinema and movies. You are writing an article about the movie “Jurassic Park” and how it is still considered as one of the turning points in the history of Sci-Fi and how it is especially popular with teens and

adults. You create a survey about the favorite films, and you collect a sample from people with different age groups, you get the results below:

*Favorite Films By Age group*

**15 - 25 yrs 26 - 40 yrs Over 40's**

**Barbarella Die Hard**

**Gone with the Wind Jurassic Park Speed**

**Titanic**

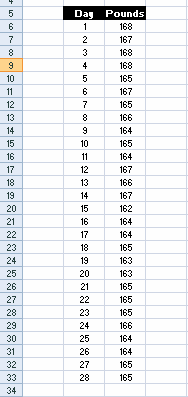
|  |  |  |
| --- | --- | --- |
| 17% | 31% | 18% |
| 20% | 15% | 1% |
| 4% | 19% | 41% |
| 34% | 12% | 3% |
| 17% | 8% | 11% |
| 8% | 15% | 26% |

* 1. Given the data below, about the results of Athens Olympics in 2004, how would you summarize the data for graphical presentation? Focus on the top 6 countries.

A screenshot of a table

Description automatically generated

1. - You started dieting and exercising for a month, so you kept monitoring your weight (in pounds) every day. What do you think your results are showing, and why?



# Part 3 Conditional Formatting

Given the following data about Company ABC Part-time Workers Weekly Pay, apply the

conditional formatting rules required below, and try to think about the advantage of each one.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Staff ID*** | ***Surname*** | ***Initial*** | ***Hours Worked*** | ***Pay*** | ***Insurance*** | ***Tax*** | ***Pension*** | ***Final Pay*** |
| M/141 | Abbot | R | 16 | £157.92 | £9.95 | £31.58 | £6.00 | £110.39 |
| M/289 | Arlington | T | 18 | £177.66 | £11.19 | £35.53 | £6.75 | £124.18 |
| F/112 | Brown | H | 23 | £227.01 | £14.30 | £45.40 | £8.63 | £158.68 |
| F/219 | Davies | F | 19 | £187.53 | £11.81 | £37.51 | £7.13 | £131.08 |
| F/881 | Davis | G | 18 | £177.66 | £11.19 | £35.53 | £6.75 | £124.18 |
| M/448 | Davis | W | 18 | £177.66 | £11.19 | £35.53 | £6.75 | £124.18 |
| F/66 | Fox | S | 12 | £118.44 | £7.46 | £23.69 | £4.50 | £82.79 |
| M/557 | Kelsey | A | 16 | £157.92 | £9.95 | £31.58 | £6.00 | £110.39 |
| M/44 | Marsh | H | 16 | £157.92 | £9.95 | £31.58 | £6.00 | £110.39 |
| M/191 | Oliver | M | 18 | £177.66 | £11.19 | £35.53 | £6.75 | £124.18 |
| M/352 | Potts | B | 22 | £217.14 | £13.68 | £43.43 | £8.25 | £151.78 |
| F/336 | Taylor | H | 12 | £118.44 | £7.46 | £23.69 | £4.50 | £82.79 |
| **TOTAL** |  |  | **208** | **£2,052.96** | **£129.34** | **£410.59** | **£78.01** | **£1,435.02** |
|  |  |  |  |  |  |  |  |  |
| Cond. Form.  Rules | *Contain letter "l"* | *H* | *>=18* | *Top 10%* | *>average* | *data bars* | *icom set* |  |

A screenshot of a computer

Description automatically generatedPart 4 Filtering &Sorting   
Given data about fitness classes and their schedules as shown below, perform the following:

1. Sort the table by:
   1. Course level; then
   2. Start time; then
   3. Cost.
2. Let’s say Debbie has asked for Monday evening off. Use filtering to show rows where:
   1. The instructor is Debbie; and
   2. The day is Monday; and
   3. The time is after 17:00.
3. The sports hall floor is being deep cleaned on Wednesday evening at 8pm. Use filtering to find the classes you need to cancel - that is, where:
   1. The venue is the sports hall; and
   2. The day is Wednesday; and
   3. The time is greater than or equa