

Describing Graphs

(analysis & evaluation)

EXAMPLE



Presentation skills

This lesson begins with describing basic graphs and suggesting what they could represent. It then provides the language necessary for describing, analysing and evaluating with a guided practice. This is followed by students researching and analysing graphs/charts/tables from the Office of National Statistics (ONS) and giving a short presentation on their findings.

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Teacher's Notes **EXAMPLE**

Aim: to develop the students' ability to describe graphical data and practice the key skills of analysis and evaluation.

Level: ***** [B1/ B2/C1/C2] **Lesson Time:** 1-2 hours

Graphical Analysis & Evaluation Lesson Plan

1.Lead in (10 minutes)

- i. Ask students to look at **Graph 1** (worksheet) and explain the graph to your partner.
- ii. Teacher elicits the most significant points from the graph [answers: peaks in Feb, April, Dec].
- iii. Asks students to suggest a reason for these peaks and what could the product be. Product is flowers (Feb=Valentine's day / April = Easter / Dec = Christmas).
- iv. Highlight that **analysis** is identifying key highs and lows and **evaluation** is the reasons why. [Disclaimer: There are different understandings of analysis & evaluation this is one way]
- v. Do the same with the **Bar Chart 2** (explain it, highs and lows, why? = ice cream sales).
- vi. Labelling graphs: explain the key points (1-4) that must be said before analysing a graph.

2. Language Sheet 1: Describing / analysing and evaluation graphical data. (10 minutes)

- i. Students read through the language sheet.
- ii. Ask students to practice the phrases (choral drilling with teacher if necessary).
- iii. IMPORTANT: highlight the three key stages [describe, analyse, evaluate].
- iv. Extra: describing graphs activity: www.academic-englishuk.com/graphs

3. Worksheet 2: Example Graph (10+ minutes + feedback)

- i. Give out worksheet with Example Graph and ask students to fill in the information.
- ii. Feedback using the model answer.

Note: students may need help and guidance with the evaluation section.

4. Worksheet 3: Exercise Graph (10+ minutes + feedback)

- i. Give out worksheet with Exercise Graph and ask students to fill in the information.
- ii. Feedback: student's own answers (Key points: peak in 1995 but Possible reasons: , etc...).

5. Graphical Data: preparation: (20 minutes)

- i. Give each student one of the web links to graphs from ONS.
- ii. Show the students how to find the information: go to webpage / click on the specific section key / find the figure number.
- iii. Allow 20 minutes for students to prepare a 1 to 2-minute mini presentation of their graph.
- iv. Ask for 2/3 pieces of key data to be described only.
- v. They must follow the 3 key stages (describe the key elements (labelling), analysis and evaluation).

6. Presentation (30 minutes)

- i. Students present their graph slide in front of the class show webpage graph on board.
- ii. Teacher can give feedback.





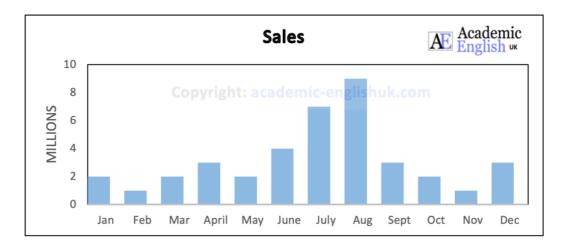
Graphs and Statistics EXAMPLE

Describe these graphs (analysis) and reasons for these (evaluation)

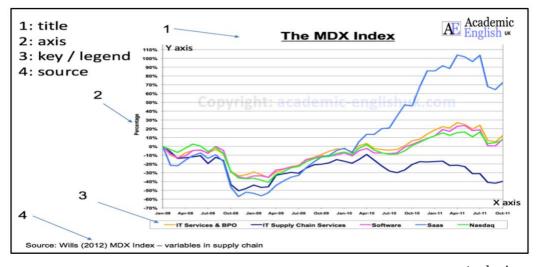
Graph 1



Bar Chart 2



Labelling Graphs









Language Sheet 1: Describing graphs and charts

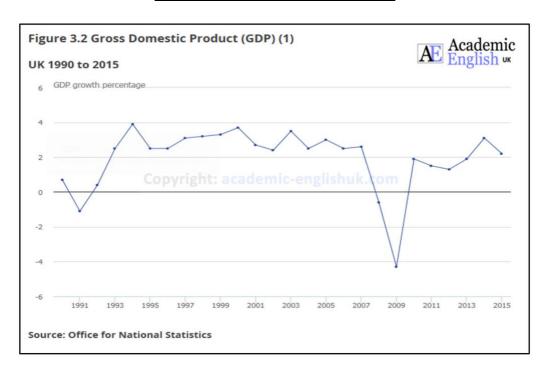
1. Describe the graph layout (title / source / axis / key)

The graph from (source) presents data on (title) The graph / illustrates (title) If we look at this graph on (title) from (source) you can see The y axis and the x axis (Graph) These lines represent (Bar) These Columns are (Pie) These segments are (Table) These rows are
2. Analysis: describe key points from the graph
Overall summary: Overall, there is / has been / Generally, there is What you can see is / From see I'd like to focus your attention on If you'll see / notice / (Not all phrases are shown — all in paid version) A key / Two An important point is / Two important What is An analysis
Useful Graph Vocabulary
UP: increase / rise / grow / went up / soar / double / multiply / climb / exceed / DOWN: decrease / plummet / halve / depreciate / plunge UP & DOWN: fluctuate / SAME: stable (stabilised) / levelled off / remained constant or steady / consistent (Not all phrases are shown — all in paid version) CHANGES: gently CHANGES: suddenly TOP: reached a peak / BOTTOM: bottomed out /
3.Evaluation: give reasons for the data
This is of This is (clearly) due to (Not all phrases are shown – all in paid version) One An evaluation of this To Overall, this highlights
A possible future





Worksheet 2: Example Graph 1



Language: Describe the graph using the phrases below to help you (write in your answers)

The graph from (source) shows/illustrates (title)...

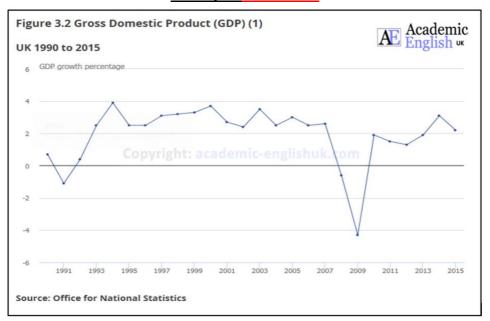
The y-axis is
Overall, between
(Not all phrases are shown – all in paid version)
I'd like to focus your
(Analysis) The is
(Evaluation) This is/was
(Analysis) The second
(Evaluation) This is / was
Overall,



A future prediction ...

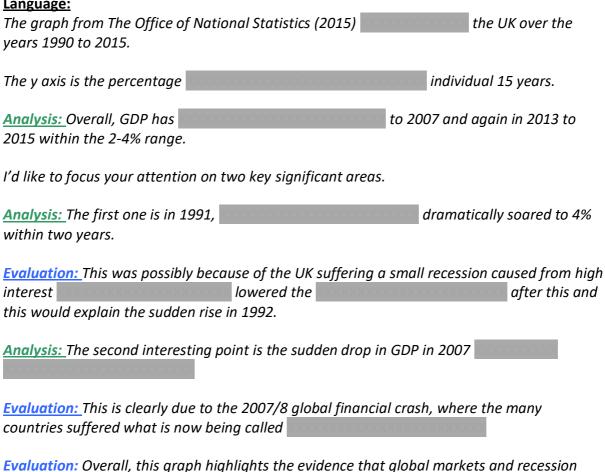


Example ANSWERS





that

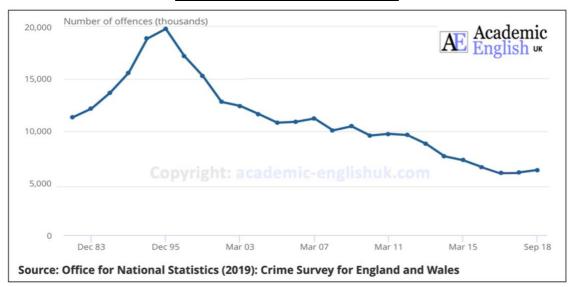


Prediction: There is a possibility that with such uncertainty in the world financial markets





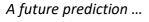
Worksheet 3: Exercise Graph



Language: Describe the graph using the phrases below to help you (write in your answers)

The graph from (source) shows/illustrates (title)...

The y-axis is
Overall, between
(Not all phrases are shown – all in paid version)
I'd like to focus your
(Analysis) The is
(Evaluation) This is/was
(Analysis) The second
(Evaluation) This is / was
Overall,





Graph Data Analysis

Task: Analyse and evaluate an Office of National Statistics (ONS) graph / chart / table and give a 1-2-minute presentation on your findings.



ONS website: https://www.ons.gov.uk

Guidelines

- i. Your teacher will allocate one of the graphs / charts / tables below.
- ii. Open the specific ONS webpage link and find the specific section and graph / chart / table.
- iii. Analyse and evaluate the graph / chart / table using language sheet 1.
- iv. You must follow the 3 key stages (describe the key elements (labelling), analysis and evaluation).
- v. You may need to do some internet research to help your understanding / evaluation.
- vi. Give a 2-minute presentation of your graph using your own analysis and evaluation.
- vii. You have 20-minutes preparation time.





Office of National Statistics (ONS) Data links

Graph 1

Crime Survey (Exercise on worksheet)

Section 5: An overview of crime

Figure 1: Crime estimated by the survey has not changed over the last year

https://www.ons.gov.uk/peoplepopulationandcommunity/crimeandjustice/bulletins/crimeinenglandandwales/yearendingseptember2018#overview-of-crime

Graph 2

Employment and labour rates

Figure 5: The increase in unemployment was driven by people unemployed for up to six months

https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployee types/bulletins/employmentintheuk/latest

Bar Chart 3

Aging Population

Section X: The 90 years and over population is getting older.

Figure X: Number of people aged 90 years and over by age group, selected years, UK, 2002 to

https://www.ons.gov.uk/

Graph 4

Tourism trends

Section X: What are the main trends in visits and spending?

Figure X: Overseas residents' visits to the UK and UK residents' visits abroad by month

https://www.ons.gov.uk

There are 20 graphs / charts / tables in the paid lesson version

Other topics: life satisfaction / divorce / religion / mental health / alcohol / mobile phones / murder / technology / leisure / population growth / life expectancy / etc..

