

Lecture 3 – IT

➤ Exercise on adverbs and adjectives: Choose the correct word

- 1- This is a really _____ activity. I don't want to do it.
(**boring** - boringly)
- 2- He is an _____ intelligent young man.
(extreme - **extremely**)
- 3- Please open the door _____.
(slow - **slowly**)
- 4- My dad is a _____ respected doctor in this region.
(high - **highly**)
- 5- He is _____ good at his job.
(fair - **fairly**)
- 6- My mother can speak Japanese _____.
(good - **well**)
- 7- The hotel guests can use the pool for _____.
(**free** - freely)
- 8- She _____ fainted when she heard the bad news.
(near - **nearly**)
- 9- The magazine comes out _____.
(week - **weekly**)
- 10- The baby was _____ when I last checked.
(**quiet** - quietly)

➤ **Reading comprehension**

A data scientist is a professional who collects **large** amounts of data using analytical, statistical, and programmable skills. It is their responsibility to use data to develop solutions tailored to meet an organization's specific needs and improve business operations. Duties of data scientists include collecting raw data from different sources;

this involves analyzing results or creating **new** studies and transferring data into an appropriate format which is then analyzed. In addition, they must work closely with other departments in the organization and make decisions about the data and information.

Good data scientists are the bridge between business and data. They must have a **deep** technical understanding of how to communicate complex data in an accessible way while having the **ability** to visualize their findings through data visualization tools. Good data scientists must have knowledge of statistical programming languages like Python. In addition, they are proficient in applied statistical skills, including knowledge of statistical tests, distributions, etc. **Excellent** communication skills are also very **important** for data scientists in order to describe findings to a technical and non-technical audience. Furthermore, good data scientists possess excellent writing skills and analytical and problem-solving skills.

➤ **Technical terms**

A data scientist: a professional who collects large amounts of data using analytical, statistical, and programmable skills.

Data visualization tools: software applications that deliver information in a visual format such as a graph, chart, etc. for data analysis purposes. Such tools make it easier to understand and work with massive (great) amounts of data and make decisions based on data.

➤ Questions

1- Mention two of the responsibilities of data scientists.

2- Write synonyms for the following words:

Appropriate.....suitable Tailored.....customized
 Duties.....responsibilities Specific.....particular
 Complex.....complicated Visualize.....

3- Find out whether the following sentences are true or false:

- a) Both statistical programming languages and statistical skills are important for good data scientists. (.....)
- b) Data scientists cannot communicate with all types of people. (.....)
- c) A data scientist creates unique solutions for the company's problems. (.....)
- d) Raw data helps in making decisions. (.....)

4- Mention two of the qualities of a good data scientist.

5- Add prefixes to the following words:

Statistical..... Specific.....
 Appropriate..... Accessible.....
 Visualize.....

6- Write antonyms for the following words:

Excellent..... **Poor/bad**..... Deep.....
 Large..... New.....
 Important..... Ability.....

7- Write the correct part of speech of the underlined words:

- a) It is their **responsibility** to use data to **develop** solutions
 (.....adverb...../.....noun.....)
- b) They are **proficient** **in** applied statistical skills
 (...adjective...../.....prep.....)
- c) **Excellent** communication skills **are** also very important for
 data scientists (...noun...../.....verb.....)
- d) **Visualize** **their** findings **through** data visualization tools
 (...???...../.....????...../.....????.....)
- e) Communicate **complex** data in **an** accessible way **while**
 having the ability to visualize their **findings**
 (...noun...../.....article...../.....????...../.....noun.....
)

8- Suggest an appropriate title to the passage

9- In your opinion, what other qualities should good data scientists have?

10- H.W. Find words in the passage that include suffixes
