🚀 𝗣𝘆𝘁𝗵𝗼𝗻 𝗗𝗮𝘁𝗮 𝗦𝘁𝗿𝘂𝗰𝘁𝘂𝗿𝗲𝘀 𝗖𝗼𝗻𝗰𝗲𝗽𝘁 𝗠𝗮𝗽 🐍  
  
Data structures are a way of organizing data so that it can be accessed more efficiently depending on the situation. Data structures are fundamentals of any programming language around which a program is built.  
  
Here is a Concept map to learn Data Structures in Python:  
  
- 𝗟𝗶𝘀𝘁𝘀: Think of a digital shopping list – that's a Python list! 🛒📝 It holds various data types and allows easy addition, removal, and modification.  
  
- 𝗗𝗶𝗰𝘁𝗶𝗼𝗻𝗮𝗿𝗶𝗲𝘀: Like a word-reference, Python dictionaries pair "keys" and "values". 📖🔑 Perfect for storing related info, akin to a contact list.  
  
- 𝗧𝘂𝗽𝗹𝗲𝘀: Similar to lists, but unchangeable once set 🔒. Ideal for fixed values, like coordinates.  
  
- 𝗦𝗲𝘁𝘀: Imagine a drawer with unique items – that's a set! ✨🗄️ Great for finding common elements.  
  
- 𝗦𝘁𝗮𝗰𝗸𝘀: Visualize a stack of plates – last in, first out. 🥞⌛ Used for orderly retrieval.  
  
- 𝗤𝘂𝗲𝘂𝗲𝘀: Picture a movie ticket queue – first come, first served. 🎫👥 Manages items in sequence.  
  
- 𝗟𝗶𝗻𝗸𝗲𝗱 𝗟𝗶𝘀𝘁𝘀: Imagine linked chain links, each with data and a pointer. 🔗📜 Efficient for insertions and deletions.  
  
Each structure has unique advantages, streamlining your code for efficiency. Remember, the choice depends on your goals!  
  
➡ Join me in a hands-on webinar on "Building Multimodal Apps with LlamaIndex - Chat with Text + Image Data" on December 18  
👉 Register here: <https://bit.ly/LlamaIndex>  
  
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