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👉 Check out the end of this post for FREE resources  
  
A data pipeline is a series of steps that transform raw data into actionable insights. It is a crucial part of modern data management, as it allows businesses to collect, store, process, and analyze their data to make informed decisions.  
  
Here are the five key stages of a data pipeline:  
  
𝟭. 𝗖𝗼𝗹𝗹𝗲𝗰𝘁: The first step is to collect raw data from various sources, such as user interactions, sensor data, or external feeds.  
  
𝟮. 𝗜𝗻𝗴𝗲𝘀𝘁: Once the data is collected, it needs to be transformed into a structured format that can be processed by the pipeline. This step is called ingestion.  
  
𝟯. 𝗦𝘁𝗼𝗿𝗲: The next step is to store the structured data in a database or data lake. This ensures that the data is available for future processing and analysis.  
  
𝟰. 𝗖𝗼𝗺𝗽𝘂𝘁𝗲: The compute phase is where the data is analyzed and transformed to extract meaningful insights. This may involve cleaning the data, running complex algorithms, or creating reports.  
  
𝟱. 𝗖𝗼𝗻𝘀𝘂𝗺𝗲: The final step is to consume the insights and processed data. This may involve presenting the data in dashboards, reports, or APIs.  
  
📚 Here's a list of free resources to get you started:  
• 𝗖𝗿𝗲𝗮𝘁𝗲 𝘆𝗼𝘂𝗿 𝗳𝗶𝗿𝘀𝘁 𝗘𝗧𝗟 𝗣𝗶𝗽𝗲𝗹𝗶𝗻𝗲: <https://lnkd.in/etF84BC5>  
• 𝗣𝗿𝗲𝗽𝗿𝗼𝗰𝗲𝘀𝘀𝗶𝗻𝗴 𝘄𝗶𝘁𝗵 𝗣𝗶𝗽𝗲𝗹𝗶𝗻𝗲𝘀 𝗶𝗻 𝗣𝘆𝘁𝗵𝗼𝗻: <https://lnkd.in/eCZcQfgN>  
• 𝗧𝘄𝗶𝘁𝘁𝗲𝗿 𝗗𝗮𝘁𝗮 𝗣𝗶𝗽𝗲𝗹𝗶𝗻𝗲 𝘂𝘀𝗶𝗻𝗴 𝗔𝗶𝗿𝗳𝗹𝗼𝘄 𝗳𝗼𝗿 𝗕𝗲𝗴𝗶𝗻𝗻𝗲𝗿𝘀: <https://lnkd.in/eNxHHZbY>  
• 𝗕𝘂𝗶𝗹𝗱 𝗮𝗻𝗱 𝗮𝘂𝘁𝗼𝗺𝗮𝘁𝗲 𝘆𝗼𝘂𝗿 𝗣𝘆𝘁𝗵𝗼𝗻 𝗘𝗧𝗟 𝗽𝗶𝗽𝗲𝗹𝗶𝗻𝗲 𝘄𝗶𝘁𝗵 𝗔𝗶𝗿𝗳𝗹𝗼𝘄: <https://lnkd.in/eYTZc3vY>  
• 𝗛𝗼𝘄 𝘁𝗼 𝘁𝗲𝘀𝘁 𝘆𝗼𝘂𝗿 𝗣𝘆𝘁𝗵𝗼𝗻 𝗘𝗧𝗟 𝗽𝗶𝗽𝗲𝗹𝗶𝗻𝗲𝘀: <https://lnkd.in/em-VdrM5>  
• 𝗛𝗼𝘄 𝘁𝗼 𝗯𝘂𝗶𝗹𝗱 𝗮𝗻 𝗘𝗧𝗟 𝗽𝗶𝗽𝗲𝗹𝗶𝗻𝗲 𝘄𝗶𝘁𝗵 𝗣𝘆𝘁𝗵𝗼𝗻: <https://lnkd.in/e_6yTyYf>  
  
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