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points in a data set among much more advanced things course computer science theory unit 1 computing computer science theory algorithms intro to algorithms 2024 khan academy what is an algorithm and why should you care google classroom transcript 0 00 voiceover what is an algorithm 0 03one definition might be a set of steps 0 05to accomplish a task processing this is the core phase where the algorithm performs operations on the inputs using a series of computational steps this phase is guided by logical and arithmetic calculations to process the data effectively within the processing phase there are often crucial substeps decision making simple algorithms have been used for computer based decision making for decades today algorithms help ease otherwise complicated processes all the time whether we know it or not in this fascinating book steiner tells the story of how algorithms took over and shows why the bot revolution is about to spill into every aspect of our lives we meet bots that are driving cars penning haikus and writing music mistaken for bachs an algorithm is a coded formula written into software that when triggered prompts the tech to take relevant action to solve a problem computer algorithms work via input and output when data is entered the system analyses the information given and executes the correct commands to produce the desired result an algorithm is a set of steps for accomplishing a task or solving a problem typically algorithms are executed by computers but we also rely on algorithms in our daily lives each time we follow a particular step by step process like making coffee in the morning or tying our shoelaces we are in fact following an algorithm how algorithms rule our working lives nathalie lees illustration nathalie lees employers are turning to mathematically modelled ways of sifting through job applications even when wrong their computer science algorithms form the basis of computer programming and are used to solve problems ranging from 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