Knowledge Discovery in Databases

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What is SAS?

- Developed in the early 1970s at North Carolina State University
- Originally intended for management and analysis of agricultural field experiments
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- Now the most widely used statistical analysis package Add WeChat powcoder
- Used to stand for "Statistical Analysis System", now it is just an acronym

SAS is a Procedural language

Procedural programming is a programming paradigm, derived from structured programming, based upon the concept of the procedure call. Procedures, also known as routines, subroutines, or functions (not to be confused with mathematical functions, but similar to those used in functional programming), simply contain a series of computational steps to be carried out. Any given procedure might be called at any point during a program's execution...,

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SAS Advantages

- Reliable/standard technical support
- Relatively simple but very powerful programming language for data manipulations
- Easy access Apsnightphedata sojeces Exchant packages
- Well documented SAS packages oder.com
- Use of disk space Add WeChat powcoder
- Strong graphics and reporting
- SAS functionality is based on consumer demand (voluntary).
- Runs on almost any standard computing platform and operating system.

Disadvantages

- Very expensive
- Does not run modern tablets, phones, PDAs, and game consoles (Aississippent Project Exam Help
- Has infrequent heters powcoder.com

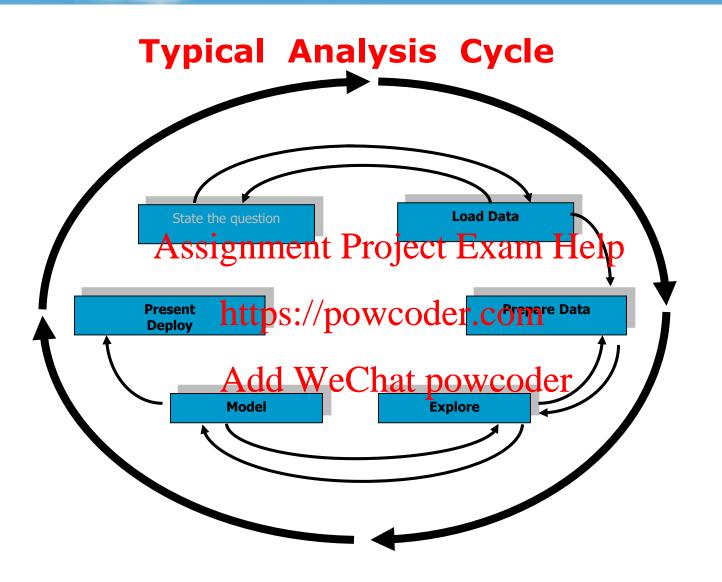
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Course Objectives

After this course you will be:

- Functional in SAS programming lect Exam Help
- Able to perform shttps:a/paywscoderscom
- Able to produce simple we where the powcoder
- Capable of extending your SAS knowledge and abilities

But you will not become a SAS programmer



SAS Basic Concepts

- Access/Load Assignment Project Exam Help
- Clean and Manipulatesthe plate coder.com
- Analyze/Explore the data we Chat powcoder
- Model the data
- Produce ,Present , and Deploy the results

Typical SAS Program Components

- Data Steps Assignatema Pipujetion Eanding Pansing, basic analysis and reporting
- Procedures (Proc) https://powcoder.com
 Procedures for analysis and/or presentations
- Global Statements Adahaying the programment
- Macro Statements Automation of repeated data steps and/or procs
- Command
 Line commands

Overview of Some SAS Products

Base SAS Assignment Parojecti Exami Halp procedures, e.g. reporting

https://powcoder.com Access to databases and engines SAS ACCESS

Add WeChat powcoder Statistical analysis SAS/STAT

SAS/GRAPH Presentation quality graphics

Getting Help

- http://support.sas.com/
 - Assignment Project Exam Help
 - Subminstps://powcoder.com

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Agenda

- Navigate the SAS windowing environment
- Read various types of datapints SAS Edatamethelp
- Create SAS variables and subset data https://powcoder.com
- Combine or create multiple SAS data sets Add WeChat powcoder
- Perform simple analysis
- Create and enhance listing and summary reports

Source of the Datasets

- http://www.crcpress.com/product/isbn/9781439
 816806 Assignment Project Exam Help
- SAS Instituteh Training was the etem
- SAS Supplied Partasets hat powcoder

SAS Program Data Vector (PDV)

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