

## Python Data Analysis for School Teaching

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### ABSTRACT

To meet the needs of enterprises for data analysis talents, school-enterprise cooperative course Python Data Analysis introduces the basic theories and methods for data analysis by using the Python programming language. The teaching content is organized around practical cases designed according to the actual demand of the enterprise. Exploratory teaching methods are conducted to cultivate the communication, collaboration, critical thinking and creativity ability of students. Students fully participate in the teaching process by discussing, analyzing and programming the cases. The implementation scheme, organization of exploratory teaching and the design of teaching cases are introduced in this project.

**Keywords:** Surveillance Camera, CCTV, Object tracking.



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