Digit Recognizer

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1. Business Objectives:

to machine learning on "train.csv", then to recognize the hand-drawn digits in "test.csv".

2. Data Mining Goals:

To achieve a categorization accuracy of 0.97

3. a Brief Analytic Plan:

- 1. To pre-study the local properties of hand-drawn digits in "train.csv", e.g. it's shape, darkness and trace width, then to display them in GUI; to do a statistics on how much the pixel-value(0-255) for a pixel should reach, and how continuously for a pixel and it's neighbor pixels, then will be recognized as a part of digit.
- To pre-study the global properties of hand-drawn digits in "train.csv".
- 3. Finally, to use R or Python language to work out an algorithm on recognize the "test.csv".

The End Thank you!