

Poker Hand Induction

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Problem:

- Given 5 playing cards, what poker hand do they represent?
- Data given in the form $\langle r_1, s_1, r_2, s_2, \dots, r_5, s_5 \rangle$
 - ▶ r_n is the value of the n^{th} card in the hand
 - ▶ s_n is the suit of the n^{th} card in the hand

Methods:

- Random Guessing
- Softmax Linear Regression
- Dense Neural Network
- Convolutional Neural Network

Results:

Model	Test PC
Random Guessing	0.34535
Linear Regression	0.48528
Dense NN	
Convolutional NN	