Onde estão nossos fornecedores?
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Rede Convolucional
Arquitetura AlexNet

(Extraído de Shoieb, Youssef e Aly, 2016)
Por qué AlexNet?

<table>
<thead>
<tr>
<th></th>
<th>Validation Set of Places365</th>
<th>Test Set of Places365</th>
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</thead>
<tbody>
<tr>
<td>Places365-AlexNet</td>
<td>53.17%</td>
<td>82.89%</td>
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<tr>
<td>Places365-GoogLeNet</td>
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<td>83.88%</td>
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<tr>
<td>Places365-VGG</td>
<td><strong>55.24%</strong></td>
<td>84.91%</td>
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<tr>
<td>Places365-ResNet</td>
<td>54.74%</td>
<td><strong>85.08%</strong></td>
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</tbody>
</table>
Por que AlexNet?

"Não temos melhores algoritmos, apenas mais dados" (Norvig)
The Places Database: The Scene Recognition Database
ImageNet x Places
# ImageNet x Places

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<th>Deep Feature</th>
<th>SUN397</th>
<th>MIT Indoor67</th>
<th>Scene15</th>
<th>SUN Attribute</th>
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Resultados até o momento (~15 mil imagens)

Estradas não dizem muita coisa...
Acurácia (amostra de 375 imagens)

Problemas!

Ausência de Rótulos!
Subjetividade na avaliação!
Excesso de estradas!
Acurácia (sem estradas)
Exemplos

Floresta

Prisão

Loja de roupas

Favela
Cenas dos próximos capítulos...

Baixar

Classificar

Clusterizar

Classes!
KEEP CALM AND AGUARDE: CENAS DOS PRÓXIMOS CAPÍTULOS

Obrigado!