

# < main title here >

< authors or subtitle here >

< presenter name here >



< series/episode/institutional info here >

< date here >

# Outline



1 Introduction

2 Problem

3 Solution

4 Experiment Results

5 Summary



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# Introduction

Example frame



Example empty frametitle frame



(recall [1], [2], [3])

## Example footcites

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[1] M. Walmsley et al., 2020, "Galaxy Zoo: probabilistic morphology through Bayesian CNNs and active learning."

[2] Y. Gal et al., 2017, "Deep bayesian active learning with image data."

[3] Y. Gal et al., 2016, "Dropout as a bayesian approximation: Representing model uncertainty in deep learning."



(recap)

Example animation



# Lorem Ipsum

Example torn paper

We then have

$$\begin{aligned}\widehat{\mathbb{I}}[y, \omega | \mathbf{x}, \mathcal{D}_{\text{train}}] &\xrightarrow{T \rightarrow \infty} \mathbb{H}[y | \mathbf{x}, q_{\theta}^*] - \mathbb{E}_{q_{\theta}^*}(\omega) [\mathbb{H}[y | \mathbf{x}, \omega]] \\ &\approx \mathbb{I}[y, \omega | \mathbf{x}, \mathcal{D}_{\text{train}}],\end{aligned}$$



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## Using *exampleblock* and *block*

*exampleblock* example (title)

< *exampleblock* content here >



## Using *exampleblock* and *block*

*block* example (title)

< *block* content here >



## Using *columns* 50-50

< *column-1* content >

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

< *column-2* content >

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.



## Using *columns* 60-40

< *column-1* content >

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

< *column-2* content >

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.



## Using *columns* 30-70

< *column-1* content >

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

< *column-2* content >

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# Advanced Tricks



Example RVL seminar presentation for some advanced tricks, click → batchBALD or EBV2





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# Adding SVGs





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# Summary



Create to understand



Good luck!

# Questions



Thank you



# References I

- [1] M. Walmsley, L. Smith, C. Lintott, et al., “Galaxy zoo: Probabilistic morphology through bayesian cnns and active learning,” Monthly Notices of the Royal Astronomical Society, vol. 491, no. 2, pp. 1554–1574, 2020.
- [2] Y. Gal, R. Islam, and Z. Ghahramani, “Deep bayesian active learning with image data,” in International Conference on Machine Learning, PMLR, 2017, pp. 1183–1192.
- [3] Y. Gal and Z. Ghahramani, “Dropout as a bayesian approximation: Representing model uncertainty in deep learning,” in international conference on machine learning, PMLR, 2016, pp. 1050–1059.