

# HKU Presentation Template

## Ver 1.0.0

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# Table of Contents

- 1 Motivation
- 2 Theory
- 3 Testing
- 4 Conclusion



# Title

**To use this template, just edit and add slides!**

The remainder of these slides serves as an example of the features you can use: footnotes, citations, columns, mini pages, bullets, links, code, maths, etc.

*Enjoy!*



# Intra-frame Footnotes and Citations I

Citation in Beamer works slightly differently from conventional cites as Beamer rewrites its footnote and citation functions. A common issue is the duplication of footnotes in a frame when using `footcite`.

This paper<sup>1</sup>, that paper<sup>2</sup>, and another paper<sup>3</sup>.

And this paper<sup>4</sup>, that paper<sup>5</sup>, and another paper<sup>6</sup> again.

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<sup>1</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>2</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>3</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>4</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>5</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>6</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.



# Inter-frame Footnotes and Citations I

Another issue with `footcite` is the unwanted continuation of the footnote index.

This paper<sup>7</sup>, that paper<sup>8</sup>, and another paper<sup>9</sup>.

And this paper<sup>10</sup>, that paper<sup>11</sup>, and another paper<sup>12</sup> again.

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<sup>7</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>8</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>9</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>10</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>11</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>12</sup>1, *The art of asking questions: Studies in public opinion*, 3, 2014.



# Intra-frame Footnotes and Citations II

This template provides a workaround for these issues. Let's use the customized command `firstcite` when citing a reference in a frame for the first time, and `secondcite` for the following citations.

This paper<sup>1</sup>, that paper<sup>1</sup>, and another paper<sup>1</sup>.

And this paper<sup>1</sup>, that paper<sup>1</sup>, and another paper<sup>1</sup> again.

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<sup>1</sup> Payne, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>1</sup> Payne, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>1</sup> Payne, *The art of asking questions: Studies in public opinion*, 3, 2014.



# Inter-frame Footnotes and Citations II

This workaround works for the inter-frame scenario as well.

This paper<sup>1</sup>, that paper<sup>1</sup>, and another paper<sup>1</sup>.

And this paper<sup>1</sup>, that paper<sup>1</sup>, and another paper<sup>1</sup> again.

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<sup>1</sup> Payne, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>1</sup> Payne, *The art of asking questions: Studies in public opinion*, 3, 2014.

<sup>1</sup> Payne, *The art of asking questions: Studies in public opinion*, 3, 2014.



# Columns

## And Graphics

Check this slide to see how columns made the formatting look nice.





# Bullets

You can use bullets too:

- Like this one
- & this one



# Sub-bullets and Links

- You can also nest sub-bullets
  - Sub-bullet 1
  - Sub-bullet 2
  - Sub-bullet 3
  - Sub-bullet 4

**Below is a button that links to a slide in the appendix**

► Go to graphs



# Code and Mathematics

Here is a made-up equation:

$$\hat{A} = \bar{m} - \hat{m}_S$$

Notice how these buttons are centered and evenly spread out:

[▶ Go to terms](#)[▶ Go to code](#)[▶ Go to theorems](#)

# Numbered Bullets

- 1 Instead of bullets, you can index by number too
- 2 Like this!



# Blocks

Block Title

Block 1

Example Block Title

Block 2

Alert Block Title

Block 3

Block without a title



# Conclusion

This is the last numbered slide in the Table of Contents.

Clicking the central bottom link will switch between the title and this slide.



# Questions?



- [1] Stanley Le Baron Payne. *The art of asking questions: Studies in public opinion*, 3. Vol. 451. Princeton University Press, 2014.





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# Appendix - Terms

## Some Estimators:

- Drift:  $\hat{\delta}$
- Boundary:  $\hat{b}(t)$

## Some Variables:

- $\hat{V}$
- $\hat{m}_S$
- $\bar{m}$
- $m_J(\tau)$

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# Appendix - Code Blocks

```
1 \begin{itemize}
2 \item A \item B
3 \item C
4 \begin{itemize}
5 \item C-1
6 \end{itemize}
7 \end{itemize}
```

```
1 \begin{enumerate}
2 \item A \item B
3 \item C
4 \end{enumerate}
```

- A
- B
- C
  - C-1

```
1 \begin{enumerate}
2 \item A \item B
3 \item C
4 \end{enumerate}
```

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## 1 A single-line equation

$$J(\theta) = \mathbb{E}_{\pi_{\theta}}[G_t] = \sum_{s \in \mathcal{S}} d^{\pi}(s) V^{\pi}(s) = \sum_{s \in \mathcal{S}} d^{\pi}(s) \sum_{a \in \mathcal{A}} \pi_{\theta}(a|s) Q^{\pi}(s, a)$$

## 2 A multi-line equation with numbering

$$\begin{aligned} Q_{\text{target}} &= r + \gamma Q^{\pi}(s', \pi_{\theta}(s')) + \epsilon \\ \epsilon &\sim \text{clip}(\mathcal{N}(0, \sigma), -c, c) \end{aligned} \tag{1}$$

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