Some Cool Sounding Buzzwords

Less Buzzy and Somewhat More Explanaotry Subtitle

Eric Qu

ericqu@berkeley.edu

Department of Electrical Engineering and Computer Sciences
Berkeley Artificial Intelligence Research Lab
University of California, Berkeley

May 28, 2024

The main goals for this slide:

- This is just to show you how this *template* works
- There are two 'emphasize' functions used to highlight & italicize texts
  - '\empy' does *this* and '\empr' does *this*.
- The colors in this template is taken from the UC Berkeley brand guide: `https://brand.berkeley.edu/colors/`

A (hopefully) useful function in this LaTeX template is:

\examplebox{ExampleTitle}{ExampleContents}

which does this:

Example of the Command \examplebox

This is what it does. Pretty self-explanatory, isn't it? Given the color them, I *recommend* using \empr inside of examplebox. The \empy command does not look *that* good.

There are color boxes for Definition, Theorem, and Lemma:

Definition 1: Test

Theorem 2: Test

Lemma 3: Test

Proof. □

You can refer to them by Def. 1, Thm. 2, Lem. 3.

Test some equations:

$$\int_{-\infty}^{\infty} \exp\left(ax^4 + bx^3 + cx^2 + dx + f\right) dx$$

$$= e^f \sum_{n,m,p=0}^{\infty} \frac{b^{4n}}{(4n)!} \frac{c^{2m}}{(2m)!} \frac{d^{4p}}{(4p)!} \frac{\Gamma\left(3n + m + p + \frac{1}{4}\right)}{a^{3n+m+p+\frac{1}{4}}}$$

$$p(R, \phi) \sim \int_{-\infty}^{\infty} \frac{\tilde{W}_n(\gamma) \exp\left[\imath R/a \left(\sqrt{k^2a^2 - \gamma^2} \cos\phi\right)\right]}{\left(k^2a^2 - \gamma^2\right)^{3/4} H_n^{\prime(1)}\left(\sqrt{k^2a^2 - \gamma^2}\right)} d\gamma$$

Test code block:

```
int main() {
        printf("hello, world");
        return 0;
}
```

Test inline code: `print("hello, world")`

Test Citation: (Qu et al., 2023), Qu et al. (2023)

References

Qu, E., Luo, X., and Li, D. (2023). Data continuity matters: Improving sequence modeling with lipschitz regularizer. In *International Conference on Learning Representations*.