



# Macau Metropolis Theme

An Unofficial  $\text{\LaTeX}$  Template for University of Macau

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Basic building blocks

Items, maths, citations, and figures

Code and output

References

# Basic building blocks

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# Five colors defined in the template



**Figure 1:** UM Logo

- **UMBlue** is the symbol color of the university.
- **UMLightBlue**
- **UMYellow**
- **UMRed**
- **UMGreen**

Four types of blocks are available:

This is a block without a title. So there is no title in this block.

This is a block without a title. So there is no title in this block.

This is a block without a title. So there is no title in this block.

This is a block without a title. So there is no title in this block.

## Block Title

A *default* block with a title

## Block Title

An *alert* block with a title

## Block Title

An *example* block with a title

# What you need to typeset this template

## Metropolis theme

Available at [github.com/matze/mtheme](https://github.com/matze/mtheme)

## UM logo files

- Available from UM's website (internal access only)
- Download the following two:
  1. UMlogo.png
  2. UMlogo\_footer.png
- Save these logo files under the **figures** directory located in the same directory that contains the .tex file.

This template is indebted to ...

- Matthias Vogelgesang for Metropolis theme
- Satoshi Murashige for a command to highlight equations (see slide 7 of this template)

# **Items, maths, citations, and figures**

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# Bullet points and numbered items

We can display items **one by one**.

We can display items **one by one**.

- Item **number one**

We can display items **one by one**.

- Item number one
- Item **number two**

We can display items **one by one**.

- Item number one
- Item number two
- Item with a **dash**

We can display items **one by one**.

- Item number one
- Item number two
- Item with a dash

We can display items **one by one**.

- Item number one
- Item number two
- Item with a dash

Numbered items:

1. Item **number one**

We can display items **one by one**.

- Item number one
- Item number two
- Item with a dash

Numbered items:

1. Item number one
2. Item **number two**

We can display items **one by one**.

- Item number one
- Item number two
- Item with a dash

Numbered items:

1. Item number one
2. Item number two
3. Item **number three**



Probability density function of  $\mathcal{N}(\mu, \sigma)$ :

$$f(x) = \frac{1}{\sqrt{2\pi\sigma^2}} \exp \left[ -\frac{(x - \mu)^2}{2\sigma^2} \right]$$

Posterior probability (highlight added later):

$$p(\theta|x) \propto p(x|\theta) \times p(\theta)$$

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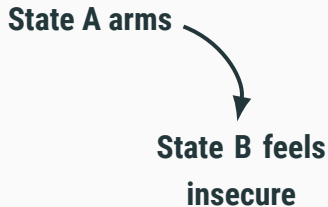
Posterior probability (highlight added later):

$$p(\theta|x) \propto \underbrace{p(x|\theta)}_{\text{Likelihood}} \times \underbrace{p(\theta)}_{\text{Prior}}$$

Security dilemma:

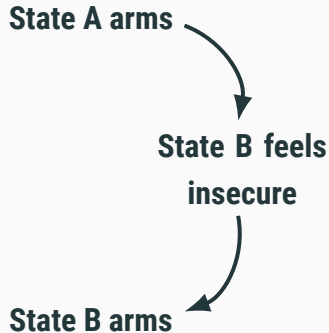
**State A arms**

Security dilemma:



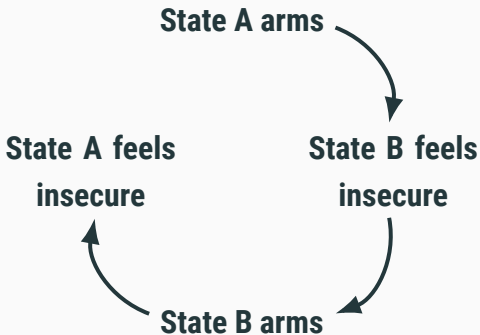
# A slide with a TikZ figure

Security dilemma:

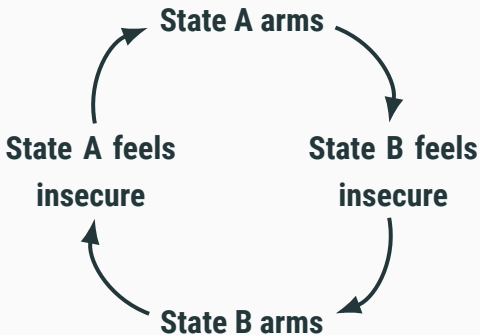


# A slide with a TikZ figure

Security dilemma:



Security dilemma:



**Table 1:** Security dilemma (stag hunt)

	$\neg$ Arm	Arm
$\neg$ Arm	3,3	0,2
Arm	2,0	1,1



To cite a source, we use the `cite` function as follows:

```
\cite{citekeyhere}
```

```
\citep{citekeyhere} (in parentheses)
```

Let's try citing one:

- `cite`: Fearon (1995) argues ...
- `citep`: ... bargaining approach (Fearon, 1995)

# Code and output

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# A slide with a computer code chunk

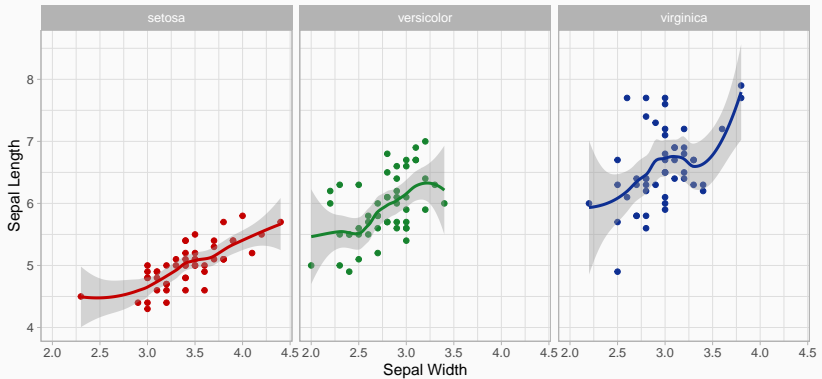
Show some R code:

```
# Unload packages and clear the memory space
pacman::p_unload(pacman::p_loaded(), character.only = TRUE)
rm(list = ls())

# Load packages and data
library("tidyverse")
data("iris")

# Linear regression
fit <- lm(Sepal.Length ~ Sepal.Width + Species, data = iris)
```

# A slide with a figure



Source: Iris data

# Code to produce the figure

```
# Kobe colors (brick, green, and blue)
kobe_colors <- c("#c40000", "#16832e", "#0e2f92")

# Plot: require ggplot2 and data(iris)
p <- ggplot(iris, aes(x = Sepal.Width, y = Sepal.Length,
                     color = Species))
p + geom_point() + geom_smooth() +
  facet_wrap(~Species) + guides(color = "none") +
  scale_color_manual(values = kobe_colors) +
  labs(x = "Sepal Width", y = "Sepal Length",
       caption = "Source: Iris data") +
  theme(
    panel.background = element_rect(fill = "transparent",
                                     color = NA),
    plot.background = element_rect(fill = "transparent",
                                    color = NA))
```

# A slide a regression table

**Table 2:** Predicting sepal length of iris

	Species		
	setosa	versicolor	virginica
Sepal Width	0.655*** (0.092)	0.387* (0.205)	0.330* (0.174)
Petal Length	0.238 (0.208)	0.908*** (0.165)	0.946*** (0.091)
Petal Width	0.252 (0.347)	-0.679 (0.435)	-0.170 (0.198)
Constant	2.352*** (0.393)	1.896*** (0.507)	0.700 (0.534)
Observations	50	50	50
R <sup>2</sup>	0.575	0.605	0.765

Note: \*p<0.1; \*\*p<0.05; \*\*\*p<0.01

# References

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# References

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Fearon, James D. 1995. "Rationalist Explanations for War."  
49(3):379–414.