

# Macau Metropolis Theme

An Unofficial L<sup>A</sup>T<sub>E</sub>X Template for University of Macau

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# Outline

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

**UMBlue** is the symbol color of the university.

In addition, the package provides the following colors:

- **UMLightBlue**
- **UMYellow**
- **UMRed**
- **UMGreen**

See UM's Brand Guidelines document ([link to PDF](#); internal access only) for more details on the colors.

# Highlighting texts with blocks

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.

## Block Title

A *default* block with a title

## Block Title

An *alert* block with a title

## Block Title

An *example* block with a title

# Logos and icons

um 澳大

Logo and icon files are **not** included in the package.

## Logos



## Icons

um 澳大

um 澳大

Please download them from UM's identity website (internal only).

# What you need to typeset this template

## Metropolis theme

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

## UM logo & icon files

- Go to UM's identity website (internal access only)
- Download all the .png files from
  - 1. Logo page
  - 2. Icon page
- Save the .png files under the `figures` sub-directory

**UMBlue as background color**



We can insert a background image like this.

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

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# Bullet points and numbered items

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

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

- Item **number one**

# Bullet points and numbered items

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

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

# Bullet points and numbered items

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

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

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- Item number one
- Item number two
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We can display items **one by one**.

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

Numbered items:

1. Item **number one**

# Bullet points and numbered items

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**

# Bullet points and numbered items

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**

# A slide with equations

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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Likelihood              Prior

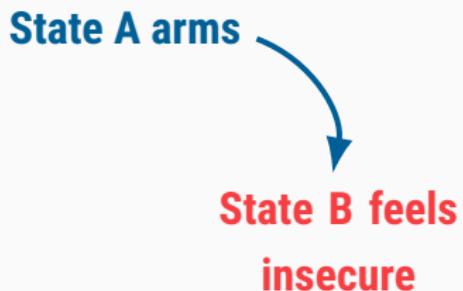
# A slide with a TikZ figure

Security dilemma:

**State A arms**

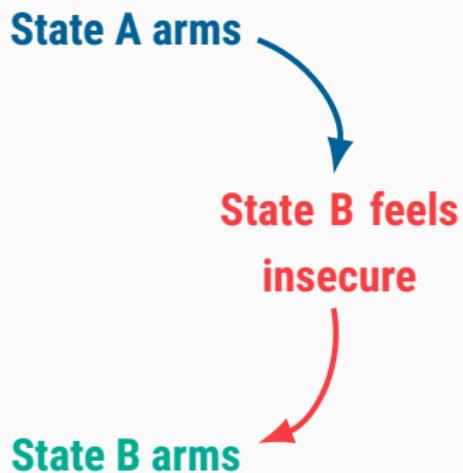
# A slide with a TikZ figure

Security dilemma:



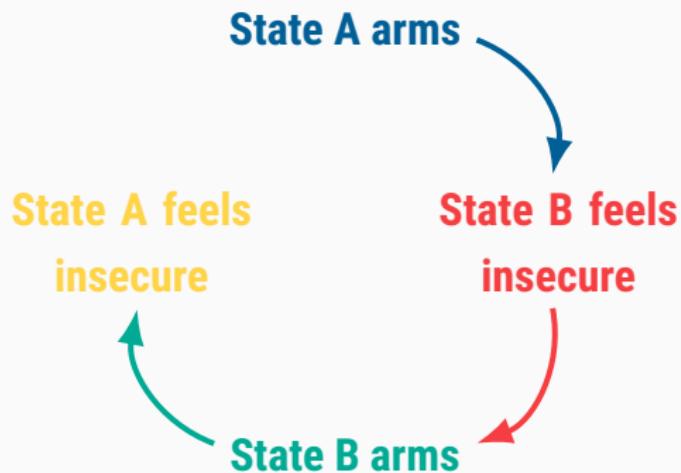
# A slide with a TikZ figure

Security dilemma:



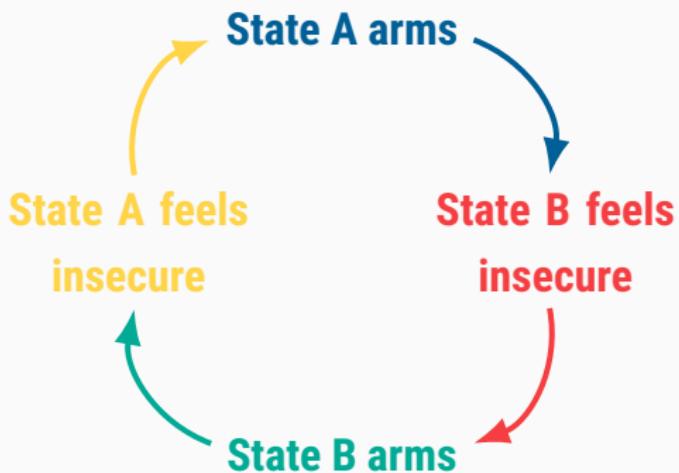
# A slide with a TikZ figure

Security dilemma:



# A slide with a TikZ figure

Security dilemma:



# A slide with a table

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

	¬Arm	Arm
¬Arm	3,3	0,2
Arm	2,0	1,1

# A slide with a citation

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

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

Let's try citing one:

- `cite: ?` argues ...
- `citelp: ... bargaining approach (?)`

## **Code and output**

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# A slide with a computer code chunk

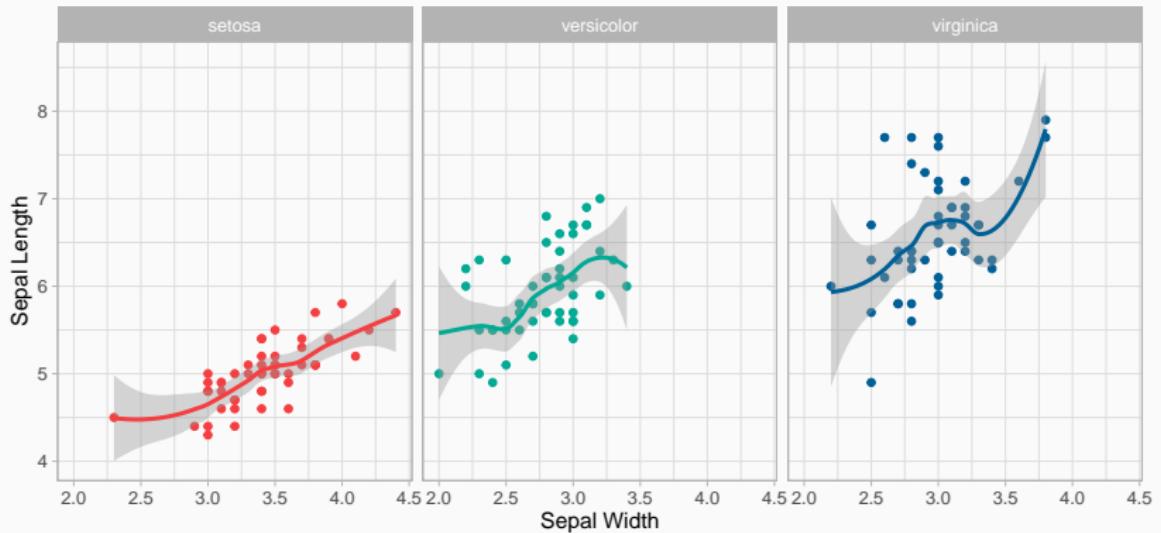
Show some R code:

```
# 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

```
# UM colors (red, green, blue)
um_colors <- c("#F53E41", "#00AA94", "#005F96")

# 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 = um_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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