

Jambro Beamer Template

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*The Usual Disclaimer Applies

Table of Contents

- 1) Introduction
- 2) Arrows & Handwriting
- 3) Highlighting, Underlying & Boxing
- 4) Theme's Options
- 5) Tables & Figures
- 6) Sketches & Bubbles
- 7) Misc

Jambro Beamer Theme


- ▶ Jambro is a Beamer theme with a strong focus on clarity and readability:
 - * Clean, minimalist layout
 - * Subtle color palette
 - * Modern typography
 - * Spacious design ideal for academic or policy presentations
- ▶ Getting started:
 - * After the usual `\documentclass{beamer}`, load the theme with `\usetheme{jambro}`
 - * The file `beamerthemejambro.sty` must be in the same folder as your Beamer presentation

Arrows & Handwriting

Arrows and handwritten notes


- ▶ The theme embeds a way to introduce handwritten notes using arrows
- ▶ Imagine you want to clarify something about x

Arrows and handwritten notes

- ▶ The theme embeds a way to introduce handwritten notes using arrows
- ▶ Imagine you want to clarify something about x A comment from the north
- ▶ The theme allows to add arrows and handwritten notes using `\hand` command and Tikz
 - * Use command `\marker{mylabel}{text}` to anchor the arrow
 - * Then use standard Tikz syntax

```
\begin{tikzpicture}[tpstyle]
  \draw[arrow,->] ([yshift=2pt]node1.north east) to[bend left] +(0.7,+0.3) %
    node[anchor=west] {\hand A comment from the north};
\end{tikzpicture}
```


Arrows and handwritten notes

- ▶ The theme embeds a way to introduce handwritten notes using arrows
- ▶ Imagine you want to clarify something about x 

The diagram shows the variable x from the previous list item. Two yellow curved arrows originate from the right side of x . The top arrow points upwards and to the right towards the text "A comment from the north". The bottom arrow points downwards and to the right towards the text "A comment from the south".
- ▶ The theme allows to add arrows and handwritten notes using `\hand` command and Tikz
 - * Arrows can start from different cardinal points

Arrows and handwritten notes

- ▶ The theme embeds a way to introduce handwritten notes using arrows

- ▶ Imagine you want to clarify something about x 

The diagram shows the variable x in blue. Two red curved arrows point towards it. The top arrow originates from the text 'A comment from the north' and points to the top of x . The bottom arrow originates from the text 'A comment from the south' and points to the bottom of x .

- ▶ The theme allows to add arrows and handwritten notes using `\hand` command and Tikz
 - * Arrows can start from different cardinal points...
 - * ...have different colors and opacity...

Arrows and handwritten notes

- ▶ The theme embeds a way to introduce handwritten notes using arrows

- ▶ Imagine you want to clarify something about x

 A comment from the north

 A comment from the south

- ▶ The theme allows to add arrows and handwritten notes using `\hand` command and Tikz
 - * Arrows can start from different cardinal points...
 - * ...have different colors and opacity...
 - * ...have wiggles....

Arrows and handwritten notes

- ▶ The theme embeds a way to introduce handwritten notes using arrows

- ▶ Imagine you want to clarify something about x

 A comment from the north

 A comment from the south






- ▶ The theme allows to add arrows and handwritten notes using `\hand` command and Tikz
 - * Arrows can start from different cardinal points...
 - * ...have different colors and opacity...
 - * ...have wiggles...
 - * ...be bidirectional or adirectional

Arrows and handwritten notes: Shortcuts

The `\lapisnote` command

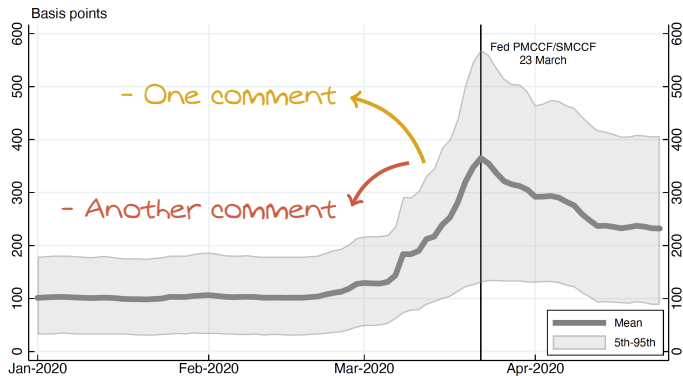
- Add arrows and annotations using the `\lapisnote[options]{node}{text}` command

- Options:

- * Automatic settings  A comment
- * Control `x` and `y` position of annotation  Another comment
- * Control `from` positions of arrow (automatic to position)  Another comment
- * Control `to` position of arrow and its bend  Another comment
- * Control `width` of box for annotation  Another comment

Handwritten notes to figures

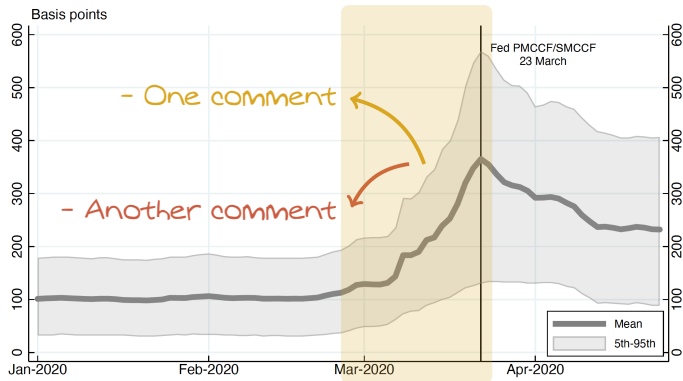
- Add notes to figures using the `tikzpicture` environment



NOTE. Global average of investment grade corporate bond spreads (option-adjusted) weighted by bonds face value, together with 5th and 95th percentile of the full distribution. Source: ICE BoA ML.

Handwritten notes to figures

- Add shaded areas on top of figures with the `tikzpicture` environment



NOTE. Global average of investment grade corporate bond spreads (option-adjusted) weighted by bonds face value, together with 5th and 95th percentile of the full distribution. Source: ICE BoA ML.

Highlighting, Underlying & Boxing

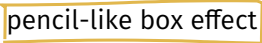
Highlighting

- ▶ Highlight text with the `\stabilo{text}` command
 - * Can also highlight with a custom color too using `\stabilo[mycolor]{text}`
- ▶ Or underline text using the pencil-like `\lapis{text}` command
 - * Can also highlight with a custom color too using `\stabilo[mycolor]{text}`
- ▶ You have more control using Tikz directly, for example
 - * Highlight text with a thinner pencil (see TEX file for code)

Boxing text or variables in equations

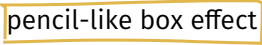
- ▶ Highlight text with a  using the `\lapisbox{text}` command

Boxing text or variables in equations


- ▶ Highlight text with a  using the `\lapisbox{text}` command
- ▶ Can also highlight objects in equations, as well as set colors and labels with `\lapisbox[color=mycolor, label=mylabel]{text}`

$$y_t = \alpha + \lapisbox{red, label=\beta}{\beta x_t} + u_t$$

Boxing text or variables in equations

- ▶ Highlight text with a  using the `\lapisbox{text}` command
- ▶ Can also highlight objects in equations, as well as set colors and labels with `\lapisbox[color=mycolor, label=mylabel]{text}`

$$y_t = \alpha + \boxed{\beta x_t} + u_t$$

- ▶ Labels allow to add arrows and comments as before  A comment from south east

Boxing numbers in a table

- `\lapisbox` can be used to highlight numbers in tables, too

Dep. Variable: spread (Δcs_{ij})	(1)
Baseline Specification	
Coeff. (β_1)	21.15*** (7.35)
Double clustering	Yes
Time-sector FE	No
R-squared	0.034
Observations	285,794

This is a large estimate!

NOTE. Standard errors (reported in parentheses) are clustered two-way, at the firm level and time level. The asterisks denote statistical significance (***) for $p < 0.01$, ** for $p < 0.05$, * for $p < 0.1$.

Theme's Options

Theme's options

- ▶ The theme comes with a few options to be specified in the `\documentclass[option]{beamer}` command
 - * `light`: uses Fira light as a default font
 - * `roboto`: changes the default font to Roboto
 - * `cabin`: changes the default font to Cabin
 - * `night`: switches to night mode colors
 - * `red`: switches the main color of the theme from blue to red (this option is overrun by
 - * `3to2`: switches the aspect ratio from 16:9 to 3:2
 - * `shownotes`: show notes to the slides
 - * `handout`: make handouts with 2x1 slides (portrait). Useful in combination with `shownotes`
 - * `onsec`: visualize only one section at the time in footline (default is all of them)
 - * `itemsep`: use generous spacing between itemize items (default is standard Beamer spacing)

Theme's options

- Set `light` option for `fira` font (baseline) in `light` format

Highlighting

- Highlight text with the `\stabilo{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
- Or highlight text using the pencil-like `\lapis{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
- You have more control using Tikz directly, for example
 - * Highlight text with a thinner pencil

Theme's options

- Set `roboto` option for roboto font

Highlighting

- Highlight text with the `\stabilo{text}` command
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- Or highlight text using the pencil-like `\lapis{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
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 - * Highlight text with a thinner pencil

Theme's options

- Set `cabin` option for cabin font

Highlighting

- Highlight text with the `\stabilo{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
- Or highlight text using the pencil-like `\lapis{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
- You have more control using Tikz directly, for example
 - * Highlight text with a thinner pencil

Theme's options

- Set `night` option for dark scheme

Highlighting

- Highlight text with the `\stabilo{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
- Or highlight text using the pencil-like `\lapis{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
- You have more control using Tikz directly, for example
 - * Highlight text with a thinner pencil

Theme's options

- Set `red` option for red fonts

Highlighting

- Highlight text with the `\stabilo{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
- Or highlight text using the pencil-like `\lapis{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
- You have more control using Tikz directly, for example
 - * Highlight text with a thinner pencil

Theme's options

- ▶ Set `3to2` option for 3 x 2 format

Highlighting

- ▶ **Highlight text** with the `\stabilo{text}` command
 - * Can also highlight with a **custom color** too using `\stabilo[color]{text}`
- ▶ Or **highlight text** using the pencil-like `\lapis{text}` command
 - * Can also highlight with a **custom color** too using `\stabilo[color]{text}`
- ▶ You have more control using Tikz directly, for example
 - * **Highlight text with a thinner pencil**

Theme's options

- Set `shownotes` to show notes and `handout2x1` produce 2x1 handouts

Highlighting

- Highlight text with the `\stabilo{text}` command
 - Can also highlight with a `custom color` too using `\stabilo{color}{text}`
- Or highlight text using the pencil-like `\lapis{text}` command
 - Can also highlight with a `custom color` too using `\stabilo{color}{text}`
- You have more control using Tikz directly, for example
 - Highlight text with a thinner pencil

Notes

These are some speaking notes
And some more speaking notes

Theme's options

- Set `onsec` to show only one section at the time in footline

Highlighting

- Highlight text with the `\stabilo{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
- Or highlight text using the pencil-like `\lapis{text}` command
 - * Can also highlight with a custom color too using `\stabilo[color]{text}`
- You have more control using Tikz directly, for example
 - * Highlight text with a thinner pencil

Tables & Figures

Tables

- This is a table using the `minipage` and `tabularx` commands

Dep. Variable: spread (Δcs_{ij})	(1)
Baseline Specification	
Coeff. (β_1)	21.15*** (7.35)
Double clustering	Yes
Time-sector FE	No
R-squared	0.034
Observations	285,794

NOTE. Standard errors (reported in parentheses) are clustered two-way, at the firm level and time level. The asterisks denote statistical significance (***) for $p < 0.01$, ** for $p < 0.05$, * for $p < 0.1$.

- Control opacity of columns specifying alignment `S` within the `tabularx` command

Dep. Variable: spread (Δcs_{ij})	(1)
Baseline Specification	
Coeff. (β_1)	21.15*** (7.35)
Double clustering	Yes
Time-sector FE	No
R-squared	0.034
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NOTE. Standard errors (reported in parentheses) are clustered two-way, at the firm level and time level. The asterisks denote statistical significance (***) for $p < 0.01$, ** for $p < 0.05$, * for $p < 0.1$.

Tables

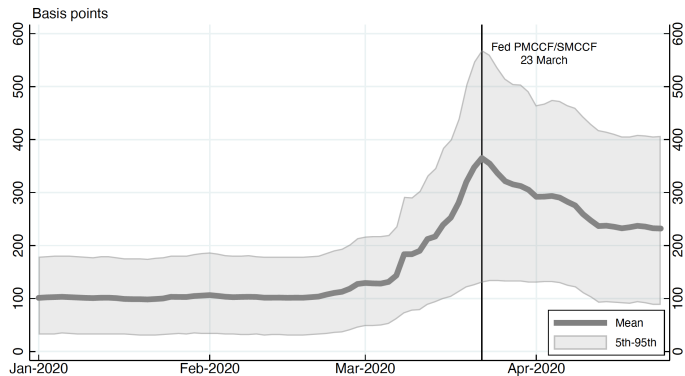
- ▶ Control the width of the table with the `minipage` command
- ▶ If the table is not wide enough, the text (from column 2 onward) is automatically spread on multiple lines

Dep. Variable: spread (Δcs_{ij})	(1)
	Baseline Specification
Coeff. (β_1)	21.15*** (7.35)
Double clustering	Yes
Time-sector FE	No
R-squared	0.034
Observations	285,794

NOTE. Standard errors (reported in parentheses) are clustered two-way, at the firm level and time level. The asterisks denote statistical significance (***) for $p < 0.01$, ** for $p < 0.05$, * for $p < 0.1$.

Figures

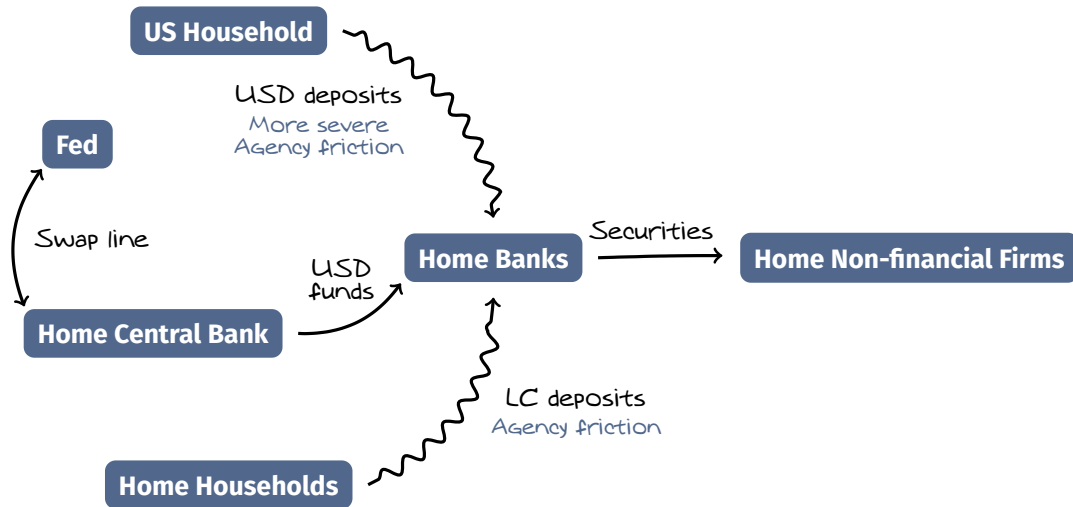
- This is a figure using the `minipage` and `includegraphics` commands



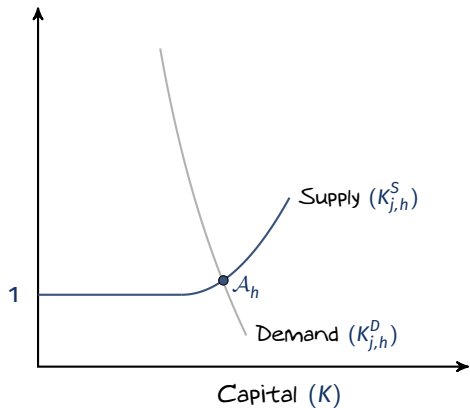
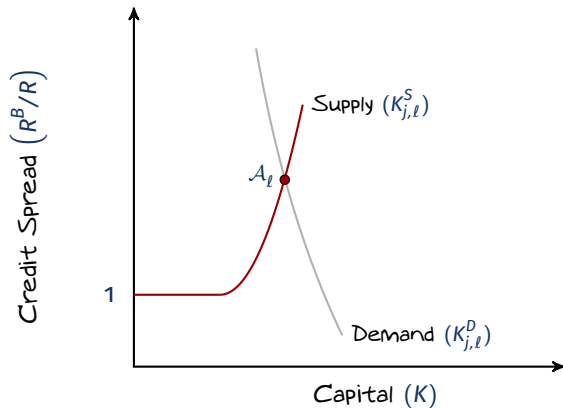
NOTE. Global average of investment grade corporate bond spreads (option-adjusted) weighted by bonds face value, together with 5th and 95th percentile of the full distribution. Source: ICE BoA ML.

Sketches & Bubbles

Sketch of a model



Sketch of demand and supply



Bubbles

- ▶ The theme allows to create bubbles with the `\NB` command in combination with the `minipage` environment

This is a small bubble

This is a large bubble.
With two lines

This is a larger bubble with bullets:

- ▶ Uno
- ▶ Dos
- ▶ Tres

Miscellaneous

Verbatim & Code

- ▶ The command `\jverb{...}` allows to write inline `verbatim` text
- ▶ And the command `\begin{jVerb}` can be used for a verbatim box

```
>> disp(VAR_sigma)
0.2891      0.0782
0.0782      0.1473
```

- ▶ `Code` can be added with the command `\jcode{...}` (does not support verbatim)
- ▶ Code boxes can be added with the command `\jCode{...}`

```
% Compute HD
[HD, VAR] = VARhd(VAR,VARopt);
```

- ▶ All commands in this page require `\begin{frame}[fragile]`

Change Margins

- ▶ This is a tight margin:

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

- ▶ This is a wide margin:

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Model Details – Firms

- ▶ Heterogeneous in terms of productivity
- ▶ Sunk entry cost: $w_t f_{E,t} / Z_t$
- ▶ There is also a lower bound for productivity: z_{min}
- ▶ After entry: a death shock common to all firms with probability δ
- ▶ Every period, firms decide whether and how much to export
- ▶ Profit maximisation

$$\Pi_t^D(\omega) = \left(\frac{p_{D,t}(\omega)}{P_t} \right)^{1-\theta} C_t - w_t l_D(\omega)$$
$$\Pi_t^X(\omega) = \frac{1-n}{n} Q_t \left(\frac{p_{X,t}(\omega)}{P_t^*} \right)^{1-\theta} C_t^* - \tau_t w_t l_X(\omega) - \frac{w_t f_{X,t}}{Z_t}$$