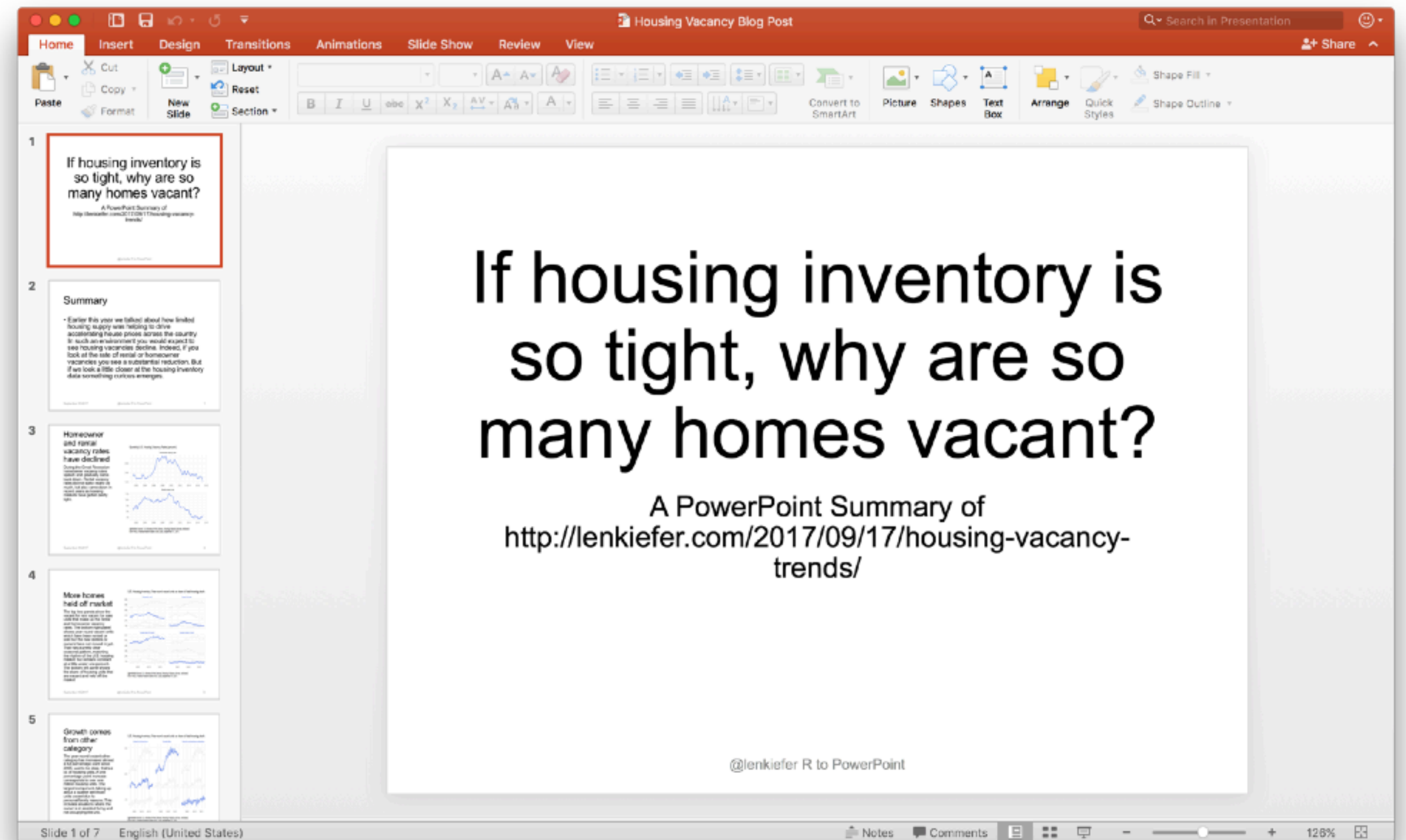# The officer package

```
read_pptx("blank.pptx") %>%
  # Title Slide
  add_slide(layout="Title Slide", master="Office Theme") %>%
  ph_with_text(type = "ctrTitle", str = "If housing inventory is so tight, why are so many
  ph_with_text(type = "subTitle", str = "A PowerPoint Summary of http://lenkiefer.com/2017,
  ph_with_text(type = "ftr", str = myftr ) %>%
  # Summary Slide:
  add_slide(layout = "Title and Content", master = "Office Theme") %>%
  ph_with_text(type = "title", index=1,str = "Summary") %>%
  ph_with_text(type="body",str = intro ) %>%
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "1" ) %>%
  ph_with_text(type = "dt", str = format(Sys.Date(),"%B %d,%Y")) %>%
  # Slide with Chart 1:
  add_slide(layout = "Content with Caption", master = "Office Theme") %>%
  ph_with_text(type = "body", index=2,str = cap1) %>%
  ph_with_img(type = "body", index = 1, src = "img/chart1.png") %>%
  ph_with_text(type = "title", index=1,str = "Homeowner and rental vacancy rates have decl:
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "2" ) %>%
  ph_with_text(type = "dt", str = format(Sys.Date(),"%B %d,%Y")) %>%
  # Slide with Chart 2:
  add_slide(layout = "Content with Caption", master = "Office Theme") %>%
  ph_with_text(type = "body", index=2,str = cap2) %>%
  ph_with_img(type = "body", index = 1, src = "img/chart2.png") %>%
  ph_with_text(type = "title", index=1,str = "More homes held off market") %>%
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "3" ) %>%
  ph_with_text(type = "dt", str = format(Sys.Date(),"%B %d,%Y")) %>%
  # Slide with Chart 3:
  add_slide(layout = "Content with Caption", master = "Office Theme") %>%
  ph_with_text(type = "body", index=2,str = cap3) %>%
  ph_with_img(type = "body", index = 1, src = "img/chart3.png") %>%
  ph_with_text(type = "title", index=1,str = "Growth comes from other category") %>%
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "4" ) %>%
  ph_with_text(type = "dt", str = format(Sys.Date(),"%B %d,%Y")) %>%
  # Slide with Chart 4:
  add_slide(layout = "Content with Caption", master = "Office Theme") %>%
  ph_with_text(type = "body", index=2,str = cap4) %>%
  ph_with_img(type = "body", index = 1, src = "img/chart4.png") %>%
  ph_with_text(type = "title", index=1,str = "Breakdown of the other category") %>%
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "5" ) %>%
  ph_with_text(type = "dt", str = format(Sys.Date(),"%B %d,%Y")) %>%
  # Slide with Chart 5:
  add_slide(layout = "Content with Caption", master = "Office Theme") %>%
  ph_with_text(type = "body", index=2,str = cap5) %>%
  ph_with_img(type = "body", index = 1, src = "img/chart5.png") %>%
  ph_with_text(type = "title", index=1,str = "Distribution of other category over time") %:
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "6" ) %>%
  ph_with_text(type = "dt", str =format(Sys.Date(),"%B %d,%Y")) %>%
  # Print to save powerpoint
  print( target = "Housing Vacancy Blog Post.pptx") %>%
  invisible()
```


From http://lenkiefer.com/2017/09/23/crafting-a-powerpoint-presentation-with-r/

The officer package

```
read_pptx("blank.pptx") %>%
  # Title Slide
  add_slide(layout="Title Slide", master="Office Theme") %>%
  ph_with_text(type = "ctrTitle", str = "If housing inventory is so tight, why are so many
  ph_with_text(type = "subTitle", str = "A PowerPoint Summary of http://lenkiefer.com/2017,
  ph_with_text(type = "ftr", str = myftr ) %>%
  # Summary Slide:
  add_slide(layout = "Title and Content", master = "Office Theme") %>%
  ph_with_text(type = "title", index=1,str = "Summary") %>%
  ph_with_text(type="body",str = intro ) %>%
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "1" ) %>%
  ph_with_text(type = "dt", str = format(Sys.Date(),"%B %d,%Y")) %>%
  # Slide with Chart 1:
  add_slide(layout = "Content with Caption", master = "Office Theme") %>%
  ph_with_text(type = "body", index=2,str = cap1) %>%
  ph_with_img(type = "body", index = 1, src = "img/chart1.png") %>%
  ph_with_text(type = "title", index=1,str = "Homeowner and rental vacancy rates have decl
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "2" ) %>%
  ph_with_text(type = "dt", str = format(Sys.Date(),"%B %d,%Y")) %>%
  # Slide with Chart 2:
  add_slide(layout = "Content with Caption", master = "Office Theme") %>%
  ph_with_text(type = "body", index=2,str = cap2) %>%
  ph_with_img(type = "body", index = 1, src = "img/chart2.png") %>%
  ph_with_text(type = "title", index=1,str = "More homes held off market") %>%
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "3" ) %>%
  ph_with_text(type = "dt", str = format(Sys.Date(),"%B %d,%Y")) %>%
  # Slide with Chart 3:
  add_slide(layout = "Content with Caption", master = "Office Theme") %>%
  ph_with_text(type = "body", index=2,str = cap3) %>%
  ph_with_img(type = "body", index = 1, src = "img/chart3.png") %>%
  ph_with_text(type = "title", index=1,str = "Growth comes from other category") %>%
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "4" ) %>%
  ph_with_text(type = "dt", str = format(Sys.Date(),"%B %d,%Y")) %>%
  # Slide with Chart 4:
  add_slide(layout = "Content with Caption", master = "Office Theme") %>%
  ph_with_text(type = "body", index=2,str = cap4) %>%
  ph_with_img(type = "body", index = 1, src = "img/chart4.png") %>%
  ph_with_text(type = "title", index=1,str = "Breakdown of the other category") %>%
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "5" ) %>%
  ph_with_text(type = "dt", str = format(Sys.Date(),"%B %d,%Y")) %>%
  # Slide with Chart 5:
  add_slide(layout = "Content with Caption", master = "Office Theme") %>%
  ph_with_text(type = "body", index=2,str = cap5) %>%
  ph_with_img(type = "body", index = 1, src = "img/chart5.png") %>%
  ph_with_text(type = "title", index=1,str = "Distribution of other category over time") %:
  ph_with_text(type = "ftr", str = myftr ) %>%
  ph_with_text(type = "sldNum", str = "6" ) %>%
  ph_with_text(type = "dt", str =format(Sys.Date(),"%B %d,%Y")) %>%
  # Print to save powerpoint
  print( target = "Housing Vacancy Blog Post.pptx") %>%
  invisible()
```

```
library(officer)
x <- read_pptx()
knitr::kable(layout_properties ( x = x, layout = "Title Slide", master = "Office Theme" ))
```

	master_name	name	type	id	ph_label	offx	offy	cx	cy
1	Office Theme	Title Slide	dt	4	Date Placeholder 3	0.500000	6.951389	2.333333	0.3993056
2	Office Theme	Title Slide	ftr	5	Footer Placeholder 4	3.416667	6.951389	3.166667	0.3993056
3	Office Theme	Title Slide	sldNum	6	Slide Number Placeholder 5	7.166667	6.951389	2.333333	0.3993056
35	Office Theme	Title Slide	ctrTitle	2	Title 1	0.750000	2.329861	8.500000	1.6076389
36	Office Theme	Title Slide	subTitle	3	Subtitle 2	1.500000	4.250000	7.000000	1.9166667

```
knitr::kable(layout_properties(x = x, master="Office Theme"))
```

master_name	name	type	id	ph_label	offx	offy	cx	cy
Office Theme	Title Slide	dt	4	Date Placeholder 3	0.5000000	6.9513889	2.333333	0.3993056
Office Theme	Title Slide	ftr	5	Footer Placeholder 4	3.4166667	6.9513889	3.166667	0.3993056
Office Theme	Title Slide	sldNum	6	Slide Number Placeholder 5	7.1666667	6.9513889	2.333333	0.3993056
Office Theme	Title and Content	title	2	Title 1	0.5000000	0.3003478	9.000000	1.2500000
Office Theme	Title and Content	body	3	Content Placeholder 2	0.5000000	1.7500000	9.000000	4.9496533
Office Theme	Title and Content	dt	4	Date Placeholder 3	0.5000000	6.9513889	2.333333	0.3993056
Office Theme	Title and Content	ftr	5	Footer Placeholder 4	3.4166667	6.9513889	3.166667	0.3993056
Office Theme	Title and Content	sldNum	6	Slide Number Placeholder 5	7.1666667	6.9513889	2.333333	0.3993056

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