

Global Technical Incerto Reading Club

Session 3 – Chapters 6-7

11 May 2021

Agenda

- **Reading Club – Details (Ron Richman) (5 min)**
- **Chapter 6**
 - **James Sharpe**
- **Appendix**
 - **Ron Richman**
- **Chapter 7**
 - **7.1 – 7.2 - Ron Richman**
 - **7.3 – 7.7 – Fergal McGovern**

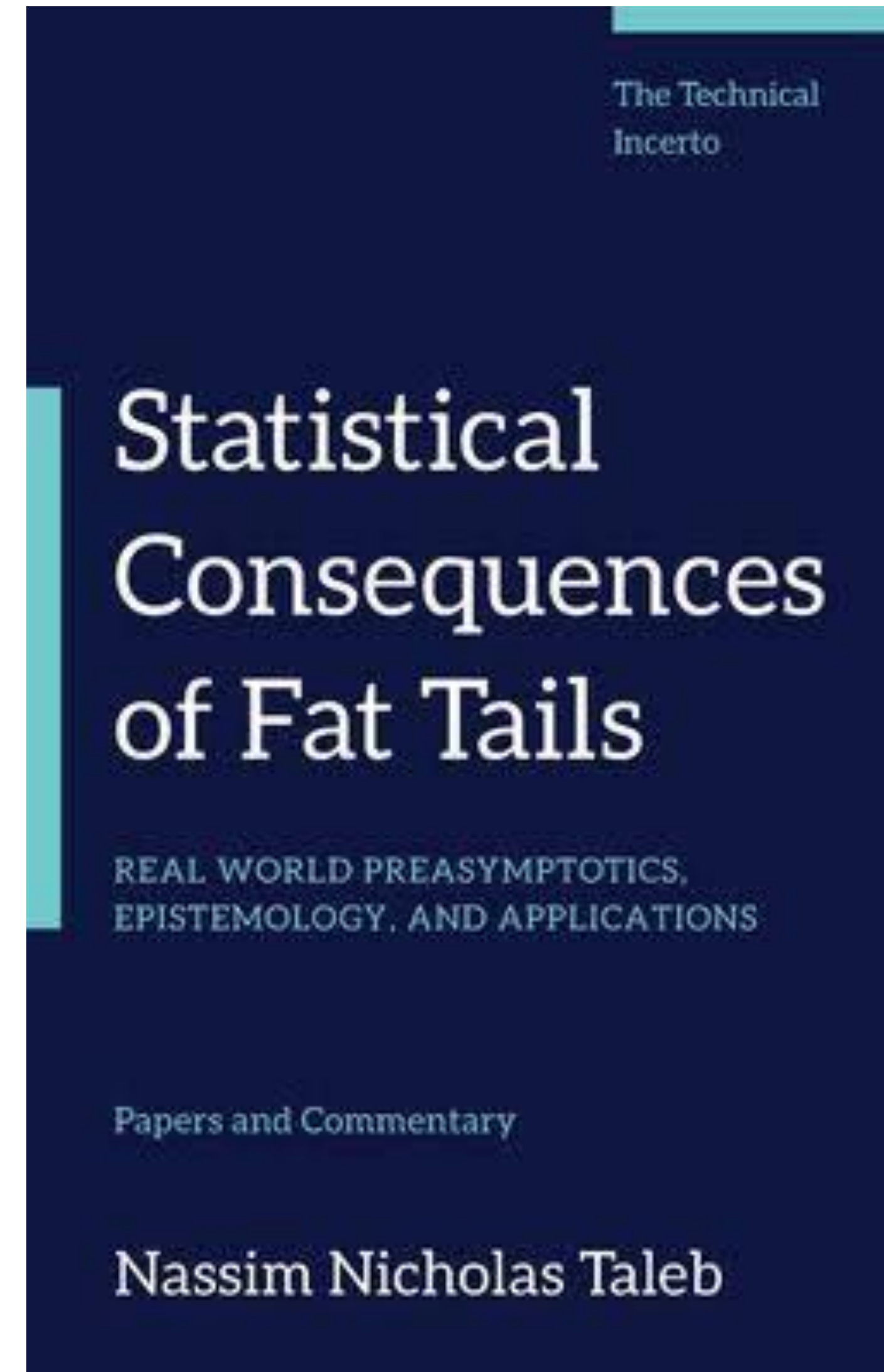
Reading Club

- Group of people interested in learning more about Nassim Taleb's risk, statistical and finance works in the Technical Incerto.
- Aim to read through the first volume of this series during 2021 and beyond
- Statistical Consequences of Fat Tails: Real World Preasymptotics, Epistemology, and Applications
- <https://arxiv.org/abs/2001.10488>
- **Aims:**

Benefit of large group reading together

Monthly presentation and discussion

Make code to reproduce/apply results freely available



Reading Club (2)

- **Acknowledge Network of Consulting Actuaries (NoCA) for Zoom access**

<https://www.noca.uk/>

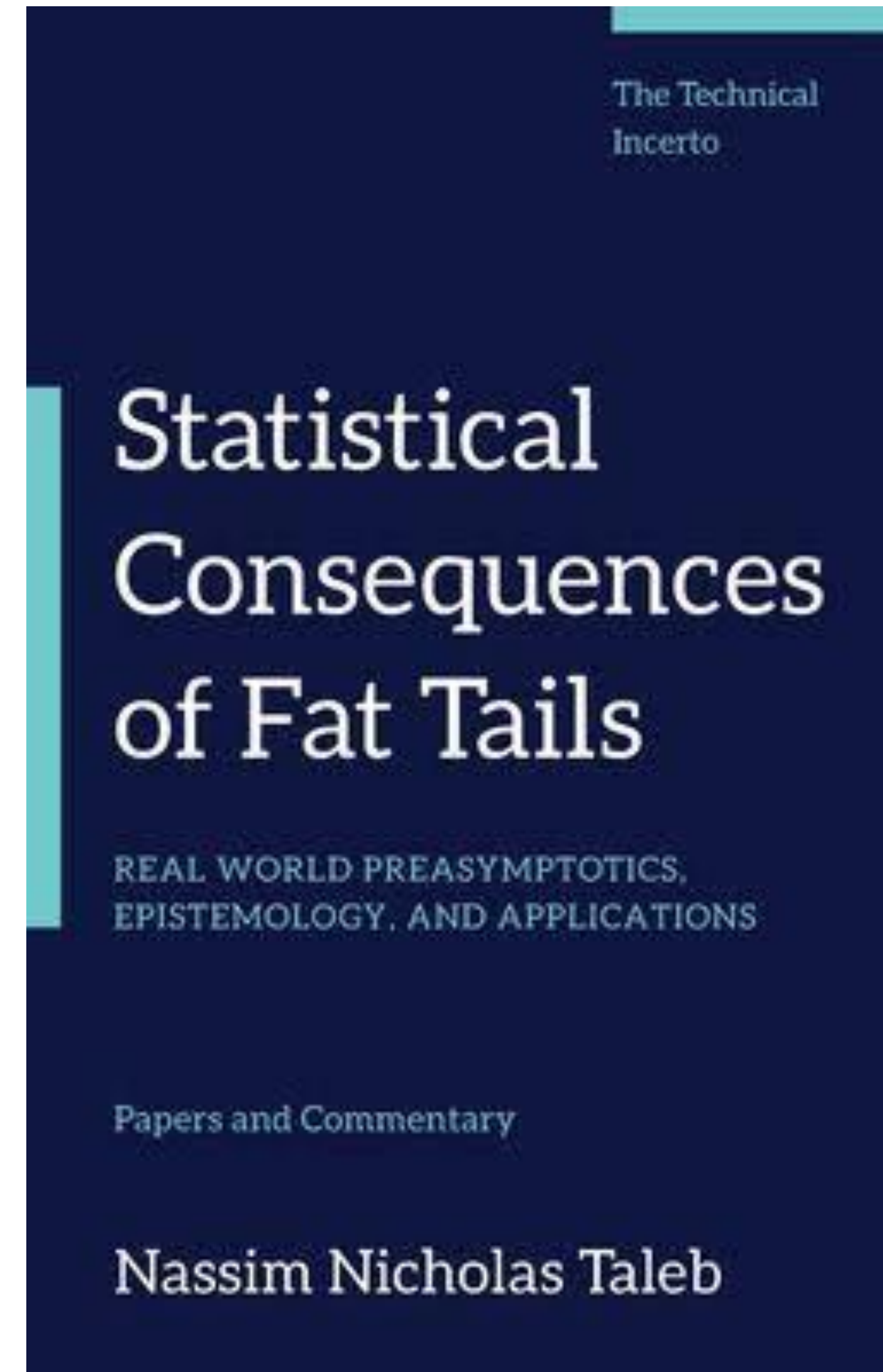
- **Thank you to Jake Billings for the reading club website and [link to recordings](http://www.techincertoreadingclub.com/):**

<http://www.techincertoreadingclub.com/>

- **GitHub repository containing discussions and code:**

<https://github.com/Technical-Incerto-Reading-Club>

- **Thank you to all contributors to date**



Appendix and Chapter 7.1-7.2

- **Appendix**

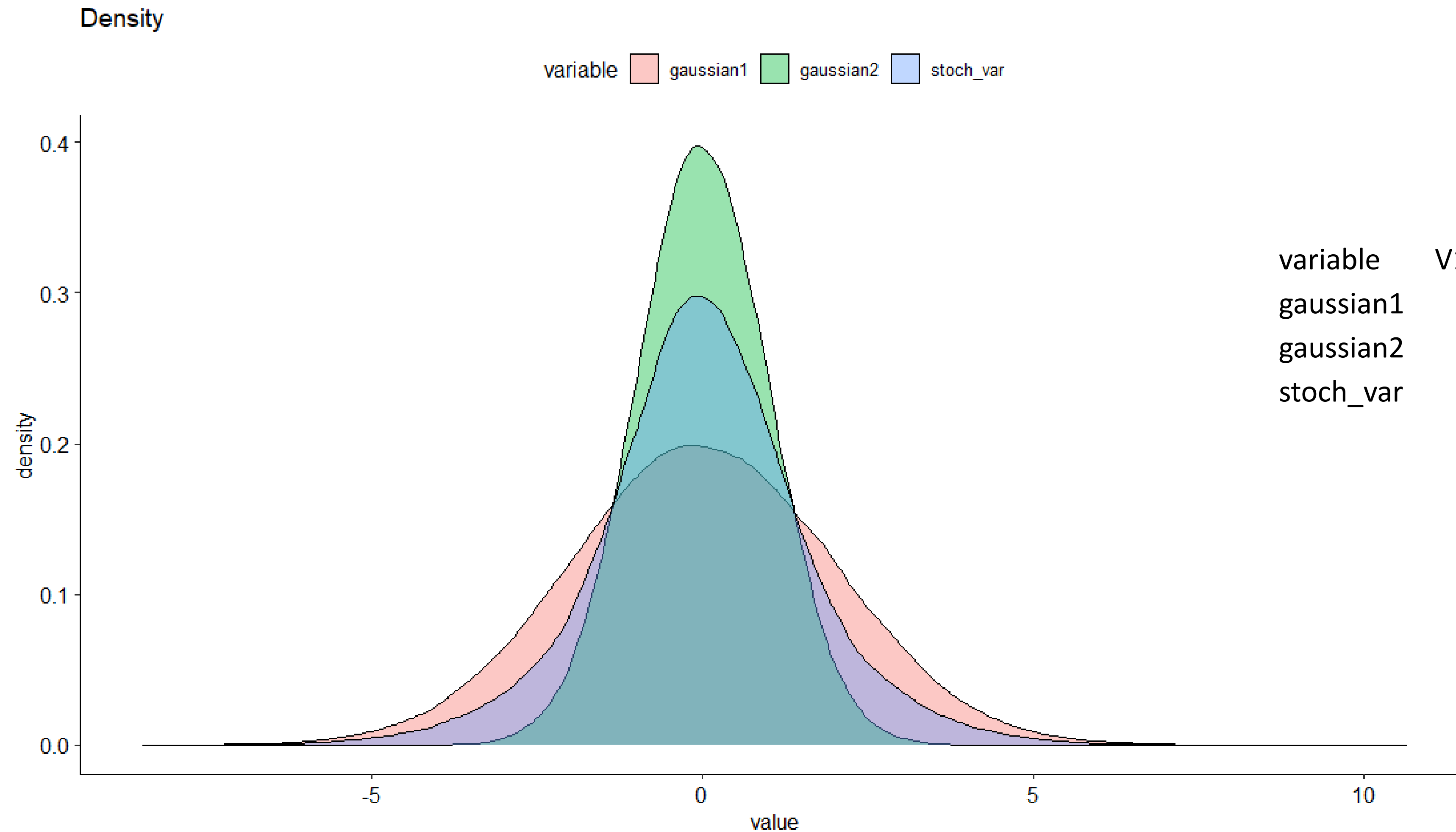
What happens if we have a multi-modal distribution?

- **Chapter 7.1-7.2**

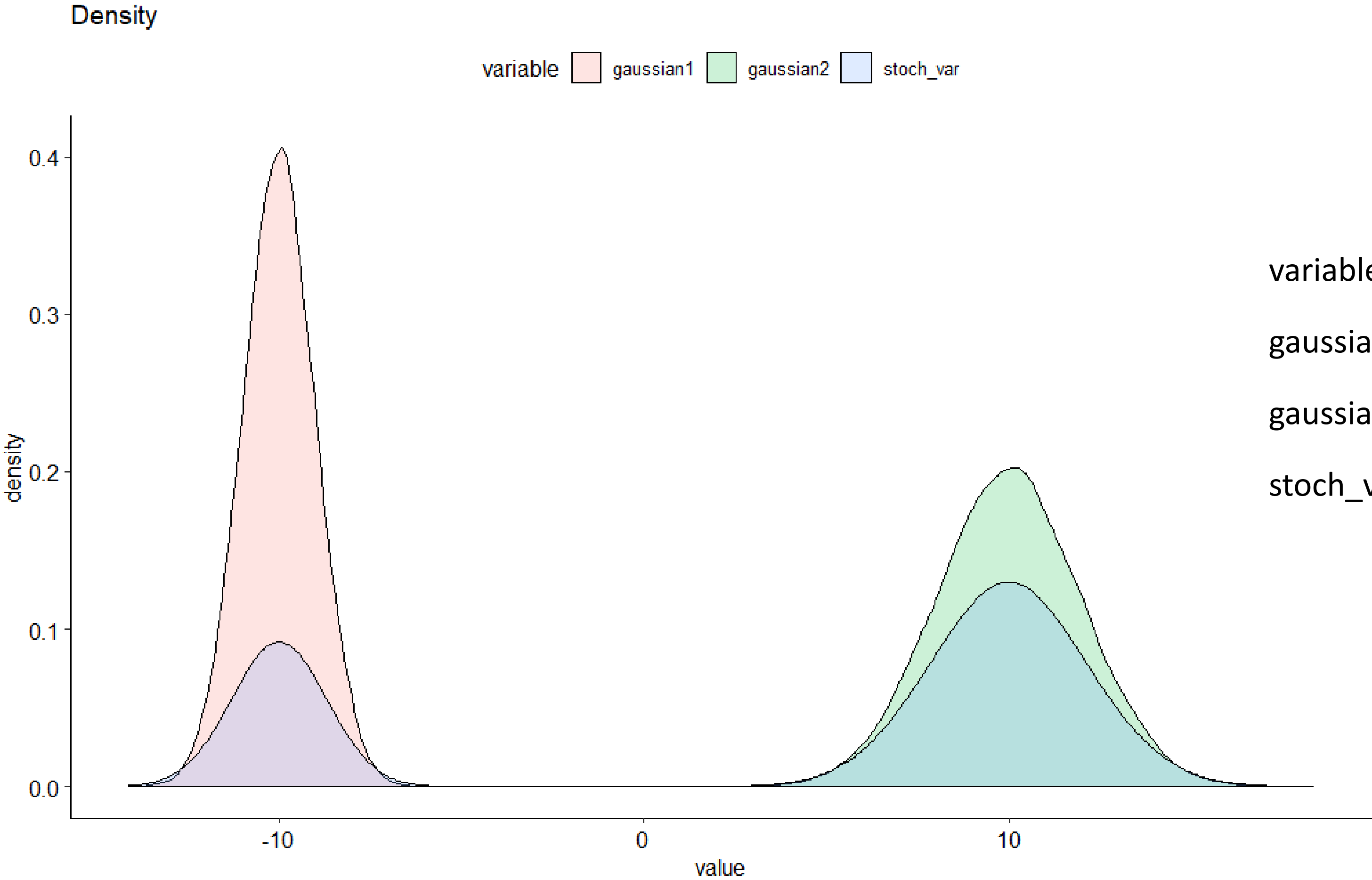
Law of large numbers

Central Limit Theorem

Gaussian – Stochastic sigma



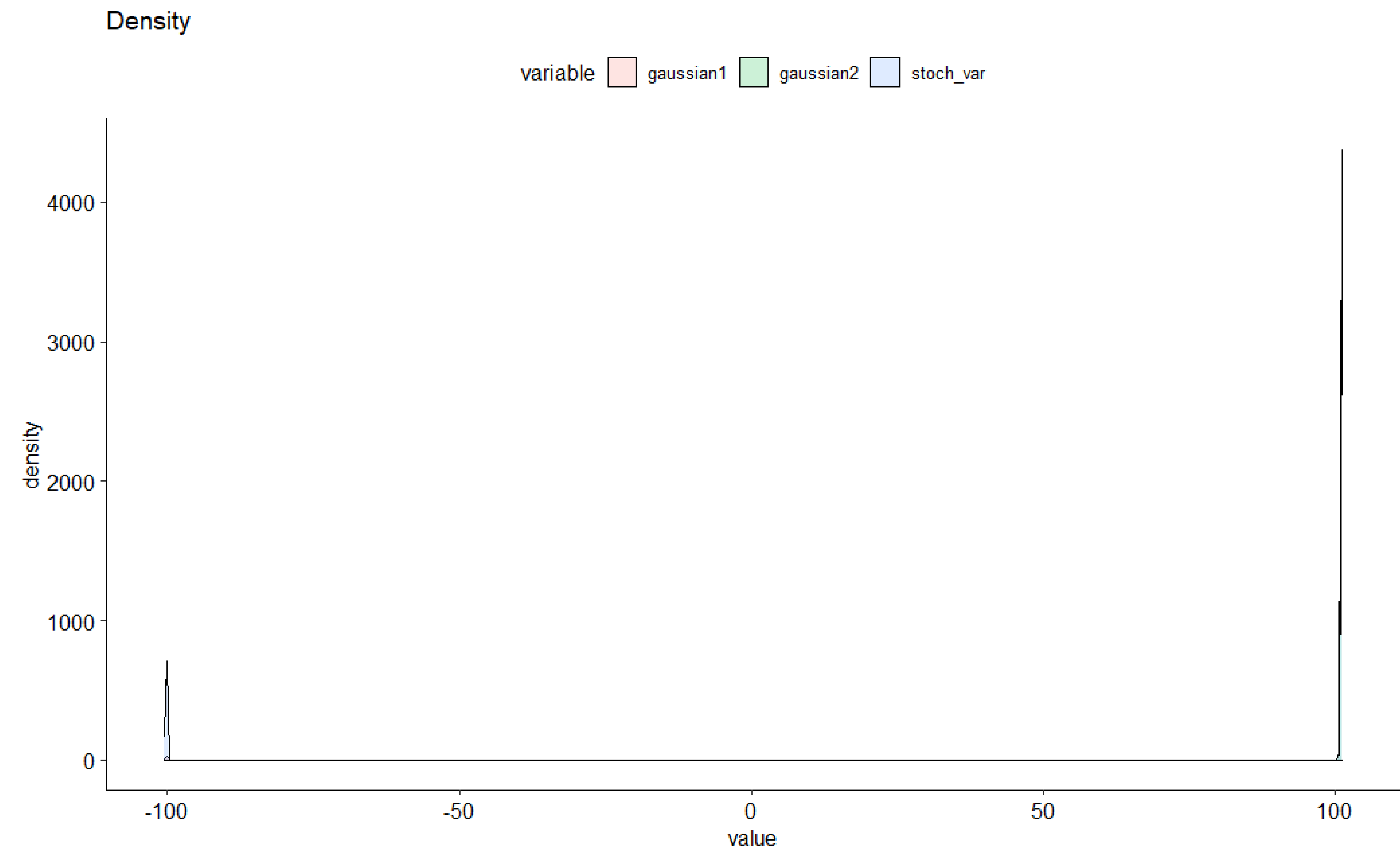
Gaussian – Stochastic mu + sigma



variable	kurtosis
gaussian1	3.005097
gaussian2	3.005097
stoch_var	1.772342

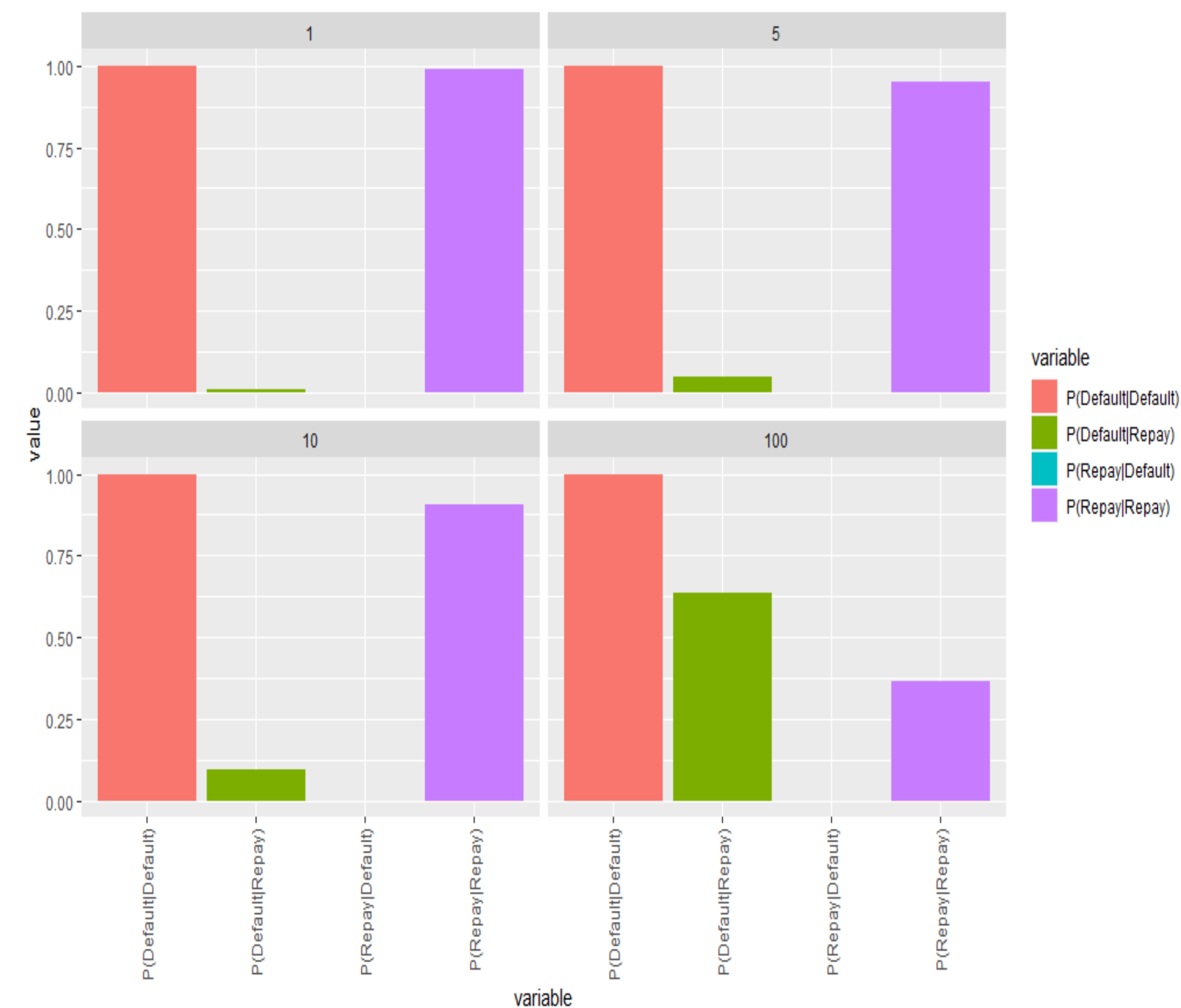
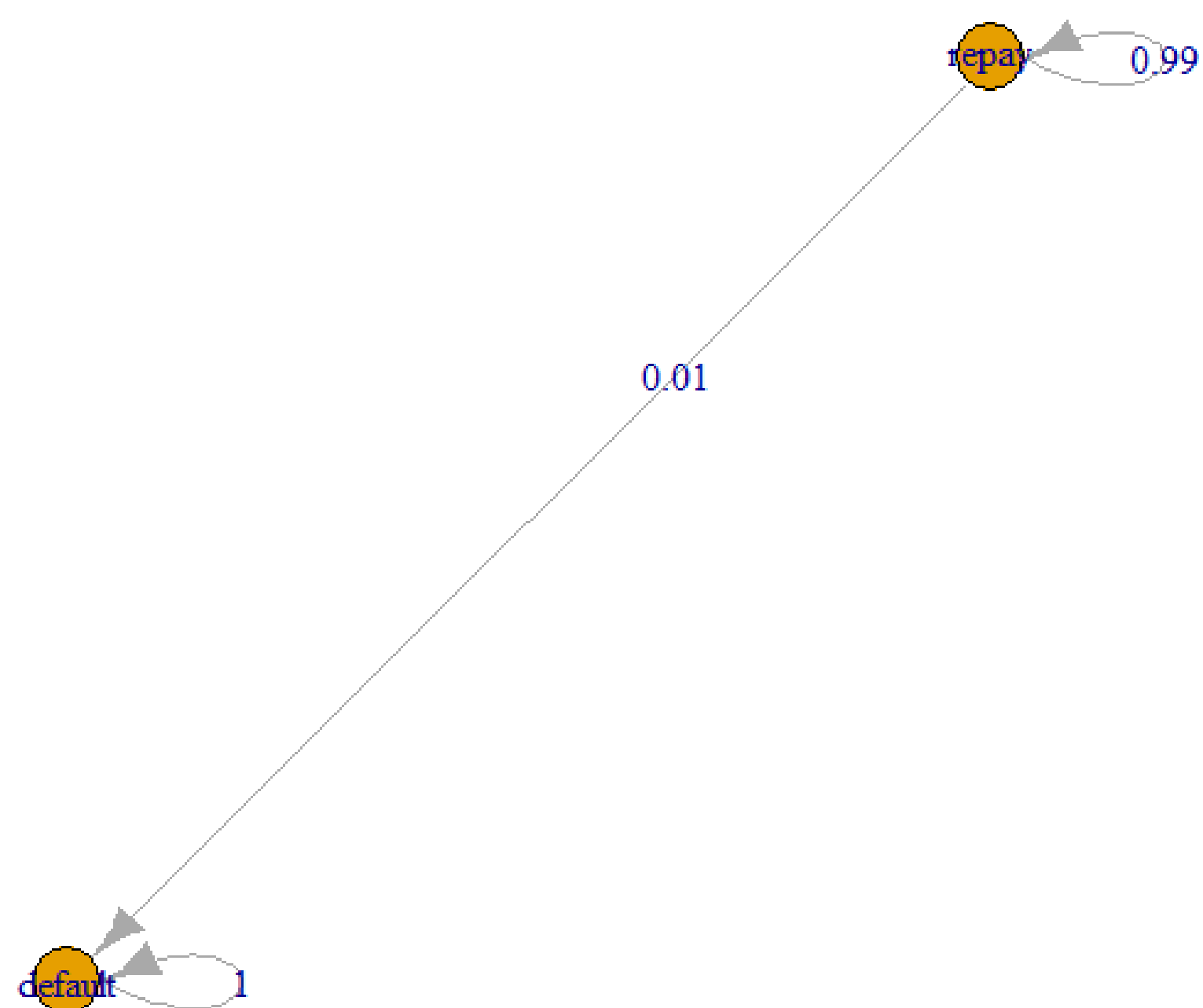
Gaussian – Stochastic mu + sigma

(Bond)

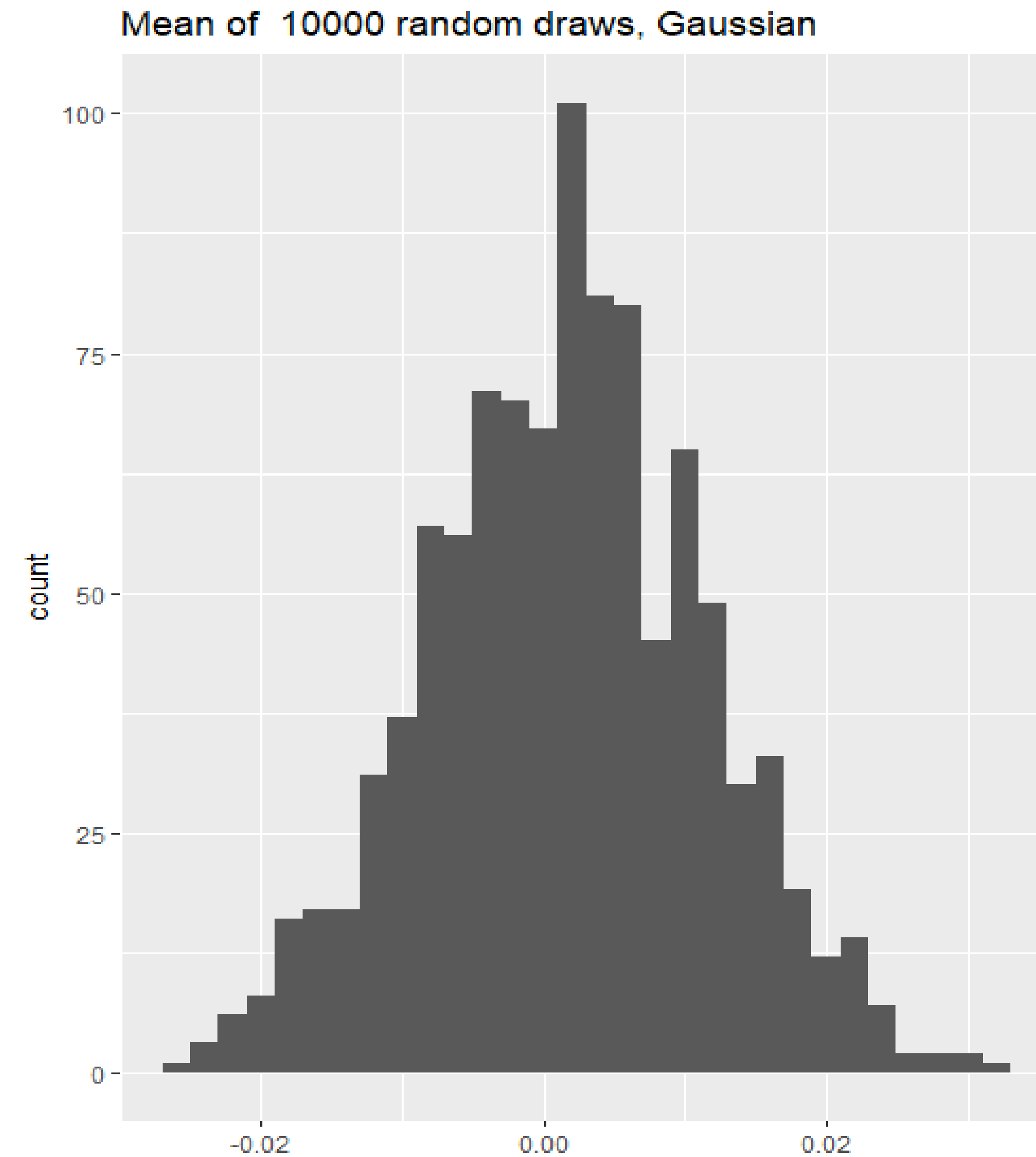
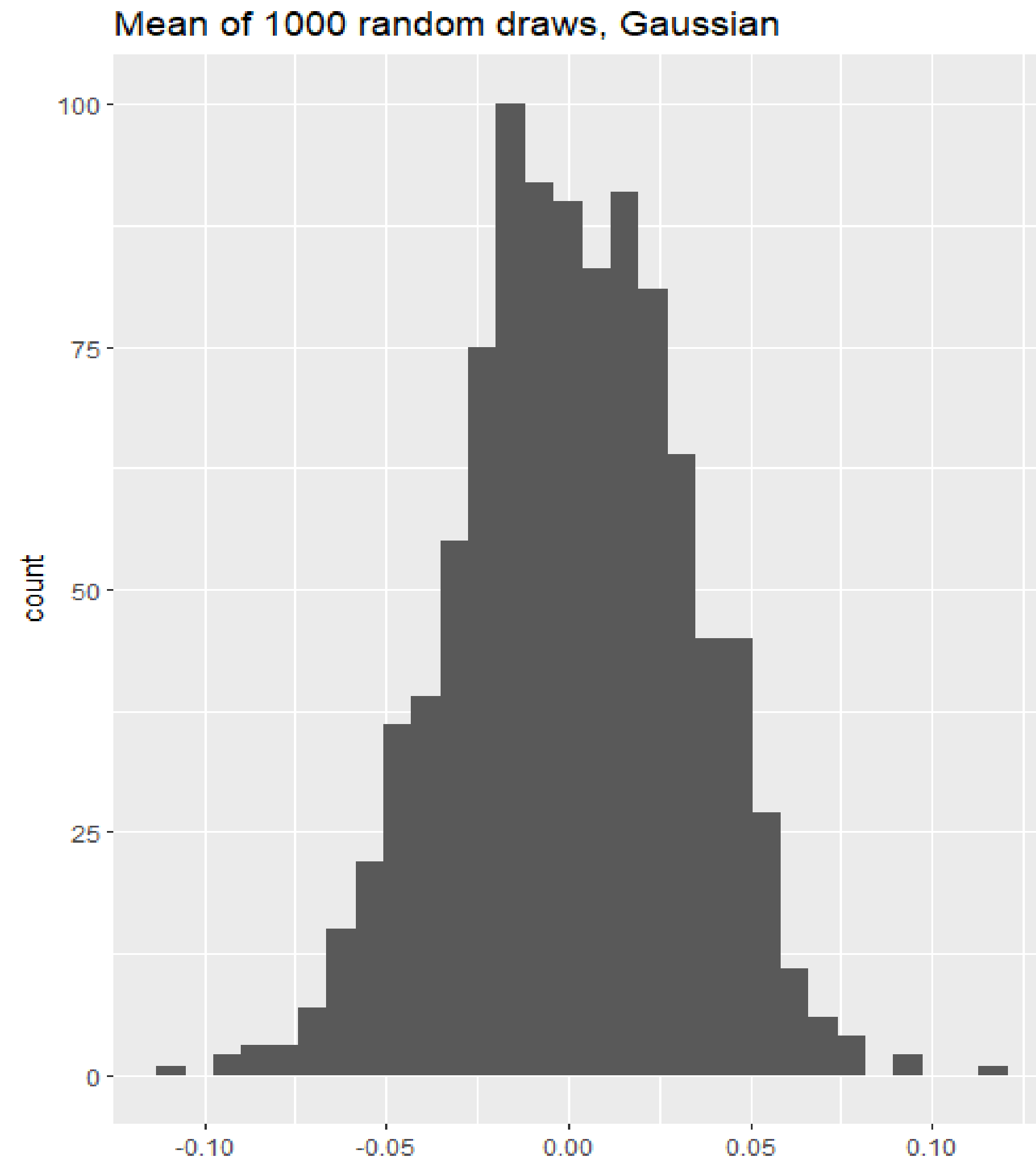


variable	V1
gaussian1	3.002826
gaussian2	3.002826
stoch_var	3.252816

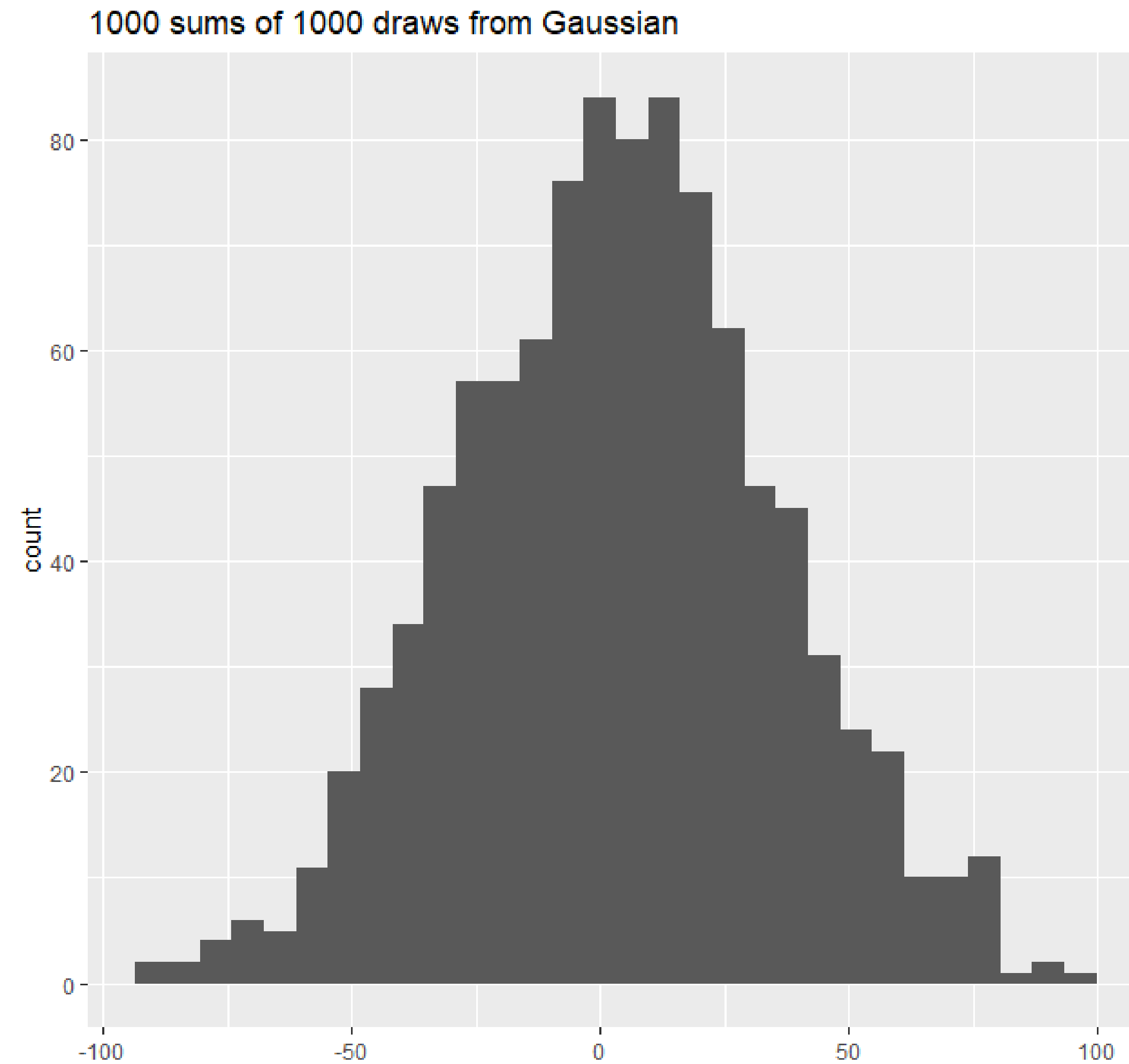
Markov chain – credit risk



Law of Large Numbers



LLN - Stable



Meetup Session 4

- **To cover Chapters 8-9 in the book**

Chapter 8: How much data do you need? An operational metric for fat-tailedness

Chapter 9: Extreme values and hidden tails

- **Schedule in mid June**

- **Call for volunteers**

Presentation – Chapter 8 – 1 Hour

Presentation – Chapter 9 – 1 Hour

Code backing the monthly presentation – R/Python