

A tutorial for Bayesian Integrative Factor models

Mavis Liang

2024-10-10

Table of contents

Preface	3
1 Quick start	4
2 Preliminary	5
2.1 Factor models and multi-study setting	5
3 Case study: nutrition data	6
4 Summary	7
References	8

Preface

This is the tutorial to guide statisticians to use Bayesian integrative factor models.

1 + 1

[1] 2

1 Quick start

Step 1: Prepare the package and data

A small simulated data can be downloaded here:

[RDS format](#)

Step 2: Run BMSFA

Step 3: Post-processing

Step 4: Visualization

```
1 + 1
```

```
[1] 2
```

2 Preliminary

2.1 Factor models and multi-study setting

This chapter introduce the theory behind factor models

See Knuth (1984) for additional discussion of literate programming.

1 + 1

[1] 2

3 Case study: nutrition data

```
1 + 1
```

```
[1] 2
```

4 Summary

In summary, this book has no content whatsoever.

1 + 1

[1] 2

References

Knuth, Donald E. 1984. “Literate Programming.” *Comput. J.* 27 (2): 97–111. <https://doi.org/10.1093/comjnl/27.2.97>.