Scalar on Image Regression Demo
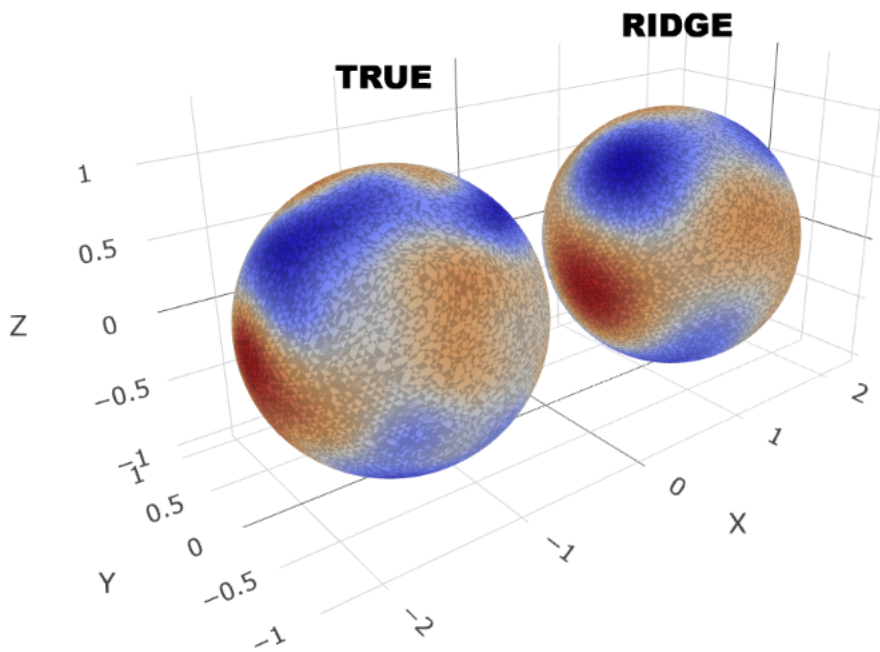
Michael Miller

2025-11-5
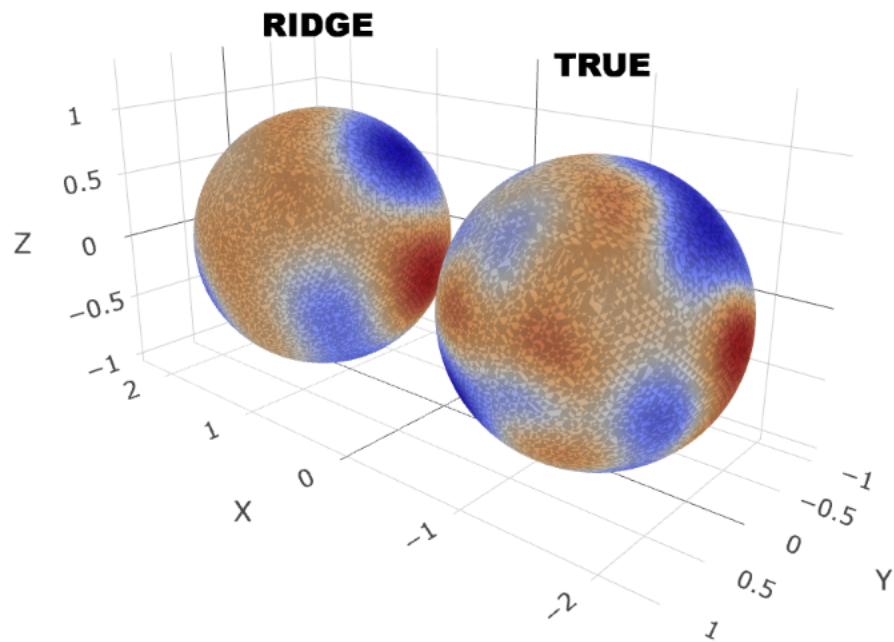
Load libraries

True vs Ridge

```
fig_true_ridge <- readRDS("./fig_true_ridge.rds")
# print(fig_true_ridge)

knitr::include_graphics("./fig_true_ridge_1.png")
```
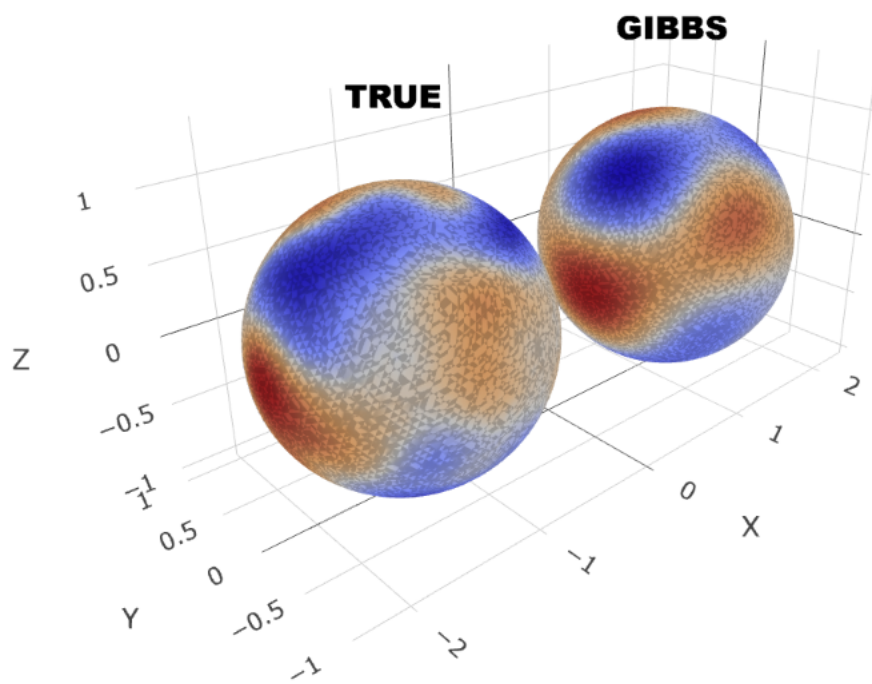


```
knitr::include_graphics("./fig_true_ridge_2.png")
```
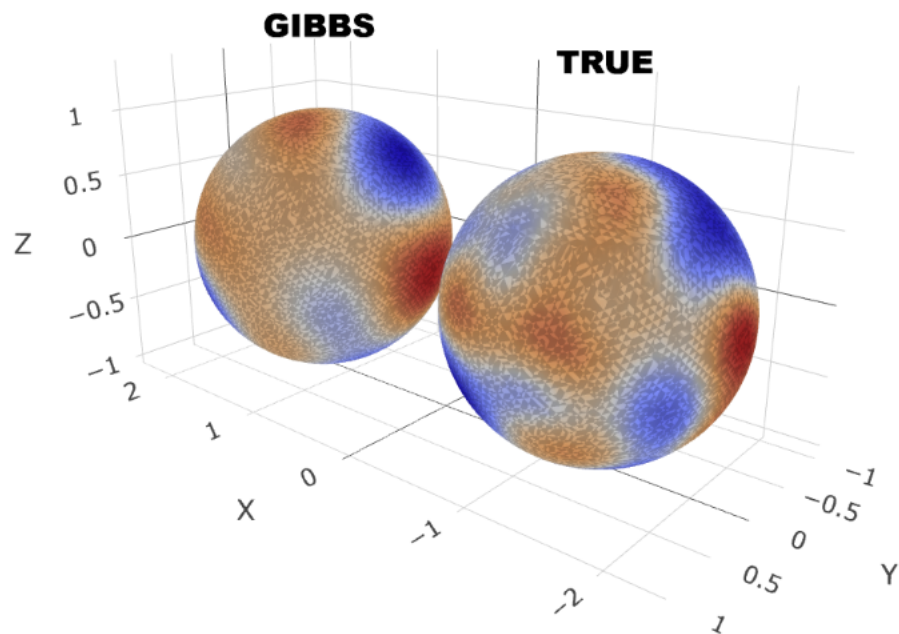
True vs Gibbs

```
fig_true_gibbs <- readRDS("./fig_true_gibbs.rds")
# print(fig_true_gibbs)

knitr::include_graphics("./fig_true_gibbs_1.png")
```
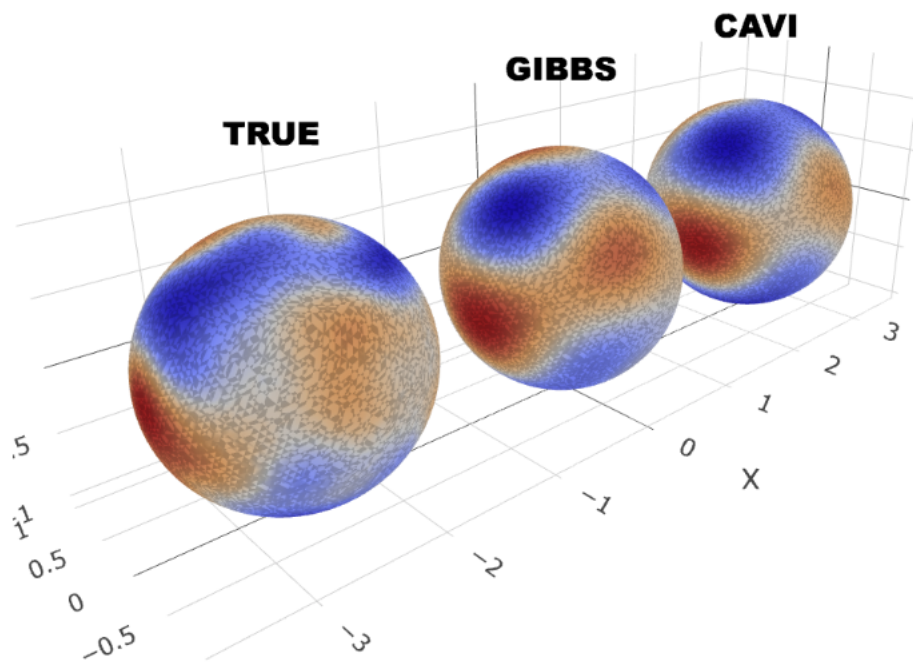
```
knitr::include_graphics("./fig_true_gibbs_2.png")
```
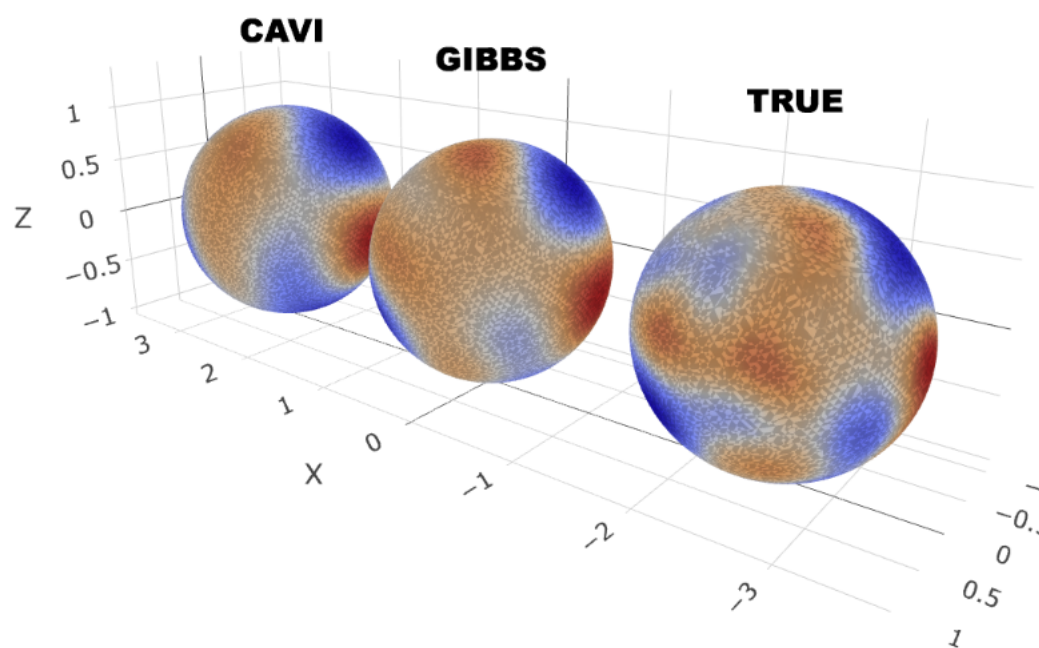
True vs Gibbs vs CAVI

```
fig_true_gibbs_cavi <- readRDS("./fig_true_gibbs_cavi.rds")
# print(fig_true_gibbs_cavi)

knitr::include_graphics("./fig_true_gibbs_cavi_1.png")
```
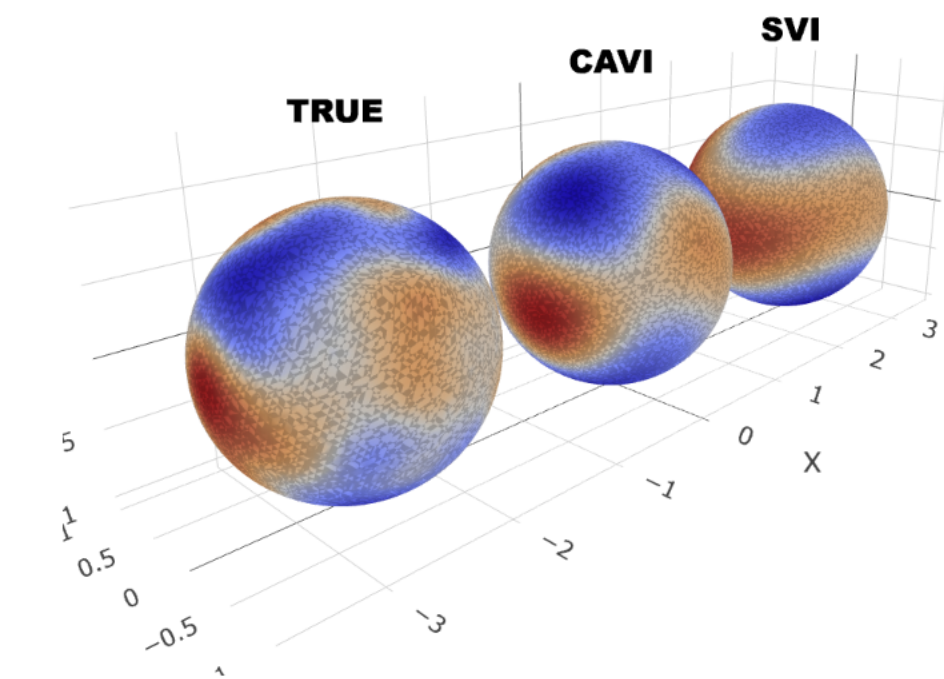


```
knitr::include_graphics("./fig_true_gibbs_cavi_2.png")
```

True vs CAVI vs SVI

```
fig_true_cavi_svi <- readRDS("./fig_true_cavi_svi.rds")
# print(fig_true_cavi_svi)

knitr::include_graphics("./fig_true_cavi_svi_1.png")
```

```
knitr::include_graphics("./fig_true_cavi_svi_2.png")
```