Agenda

1. Show current Plots & progress

```
| Saving DataFrame to df.shopt |
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6×7 DataFrame
 Row │ star   s_model    g1_model    g2_model    s_data     g1_data     g2_data
     │ Int64  Float64    Float64     Float64     Float64    Float64     Float64
─────┼──────────────────────────────────────────────────────────────────────────
   1 │     1  0.560121   -0.0147804  -0.149891   0.560121   -0.0147803  -0.149891
   2 │     2  0.560121   -0.0147804  -0.149891   0.560121   -0.0147804  -0.149891
   3 │     3  0.560121   -0.0147802  -0.149891   0.560121   -0.0147802  -0.149891
   4 │     4  0.560121   -0.0147802  -0.149891   0.560121   -0.0147802  -0.149891
   5 │     5  0.560121   -0.0147806  -0.149891   0.560121   -0.0147806  -0.149891
   6 │     6  0.560121   -0.0147805  -0.149891   0.560121   -0.0147804  -0.149891
------------
```
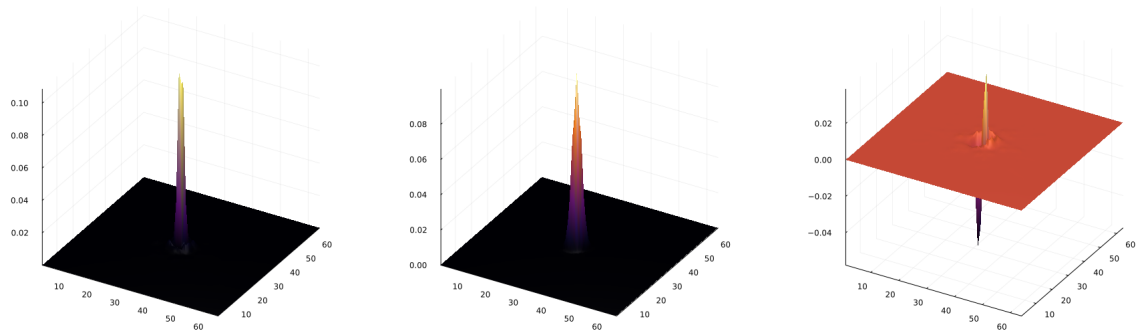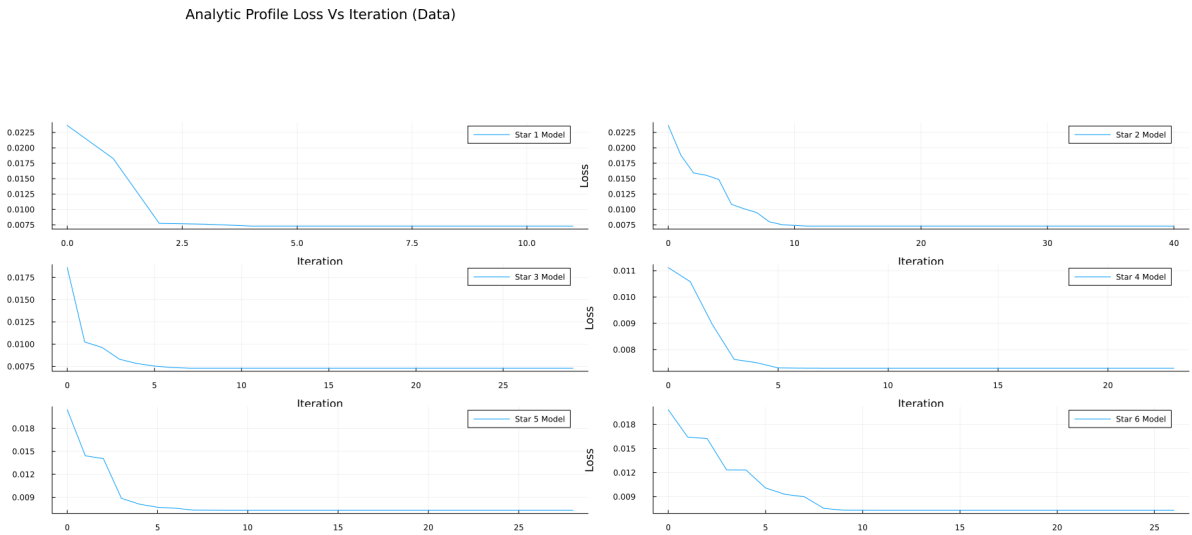
FIGURE 1: df.shopt

FIGURE 2: 3d analytic fit

Analytic Profile Loss Vs Iteration (Data)

FIGURE 3: Loss Time Data
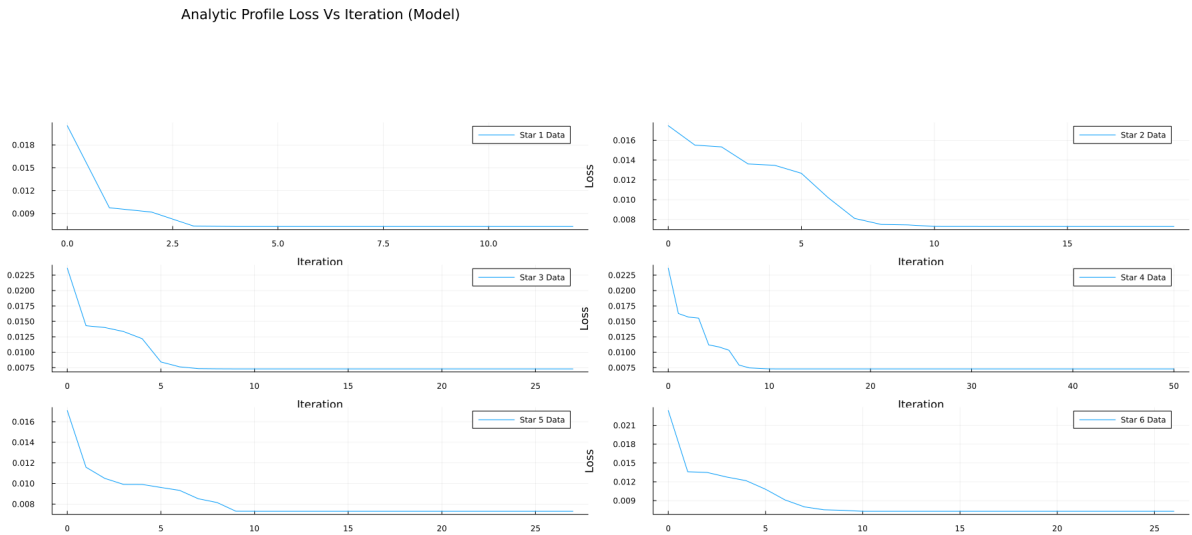
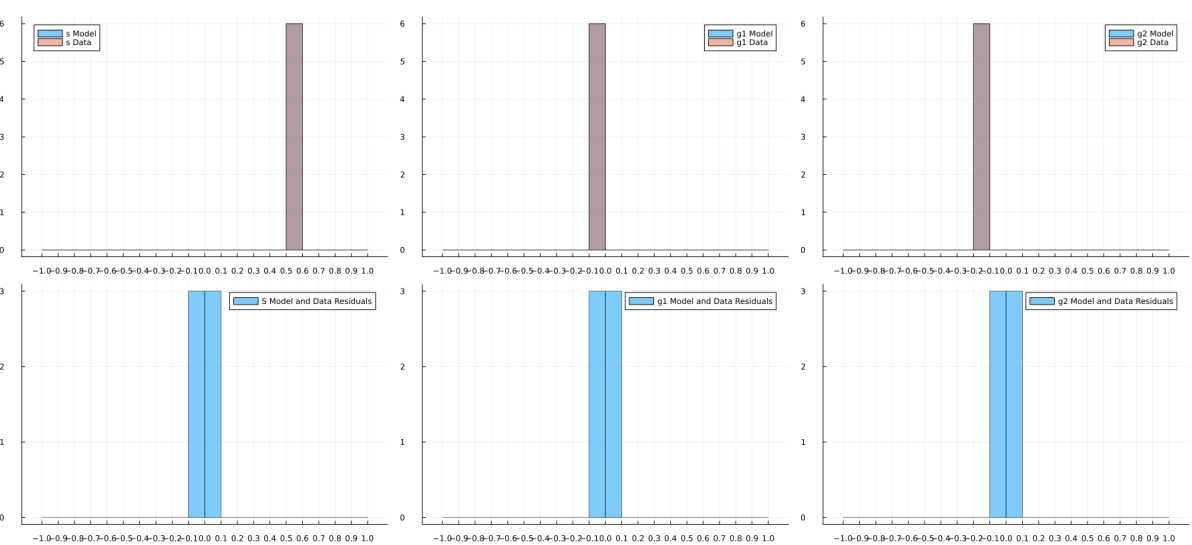Analytic Profile Loss Vs Iteration (Model)

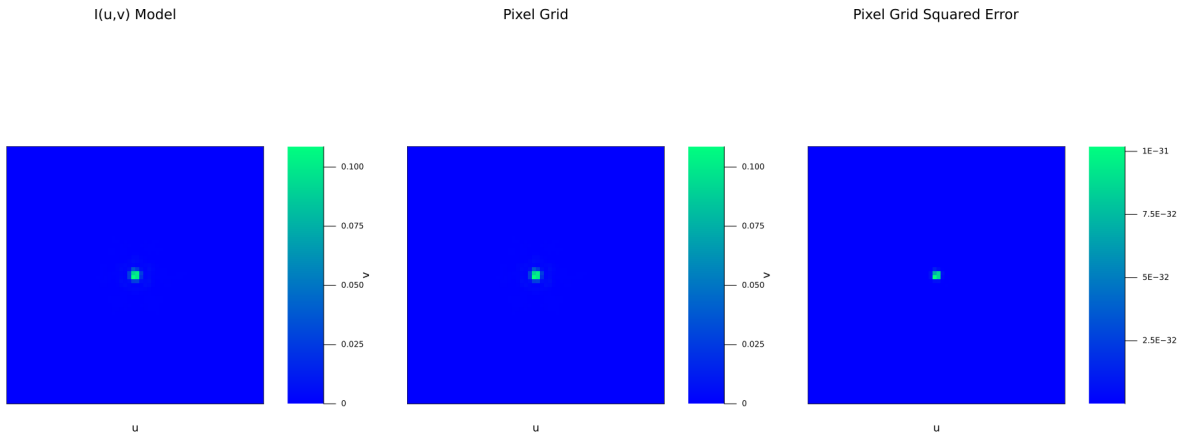FIGURE 4: Loss Time Model

FIGURE 5: Histogram
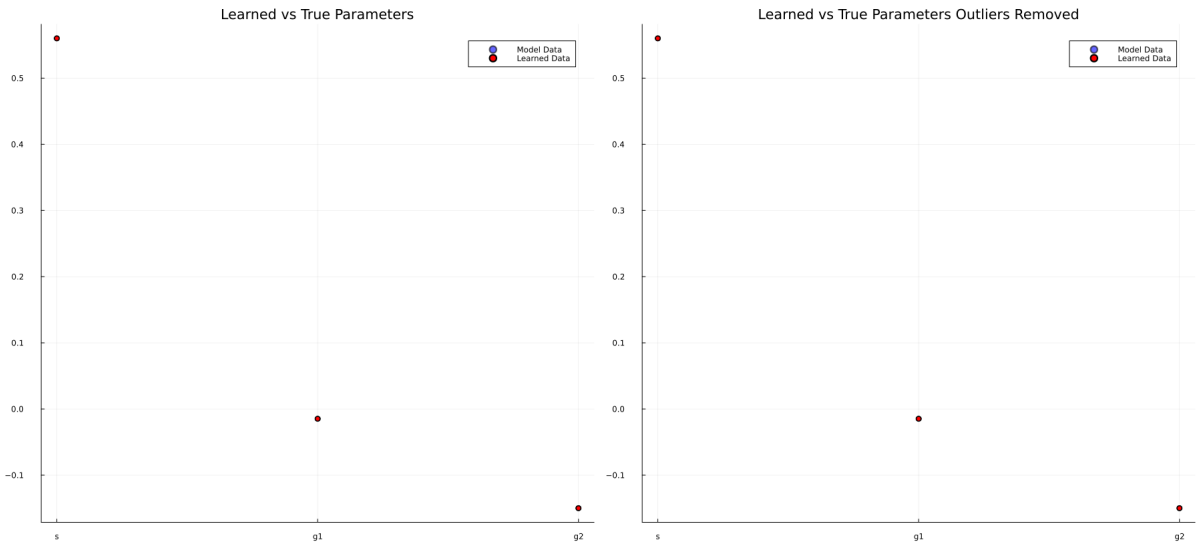
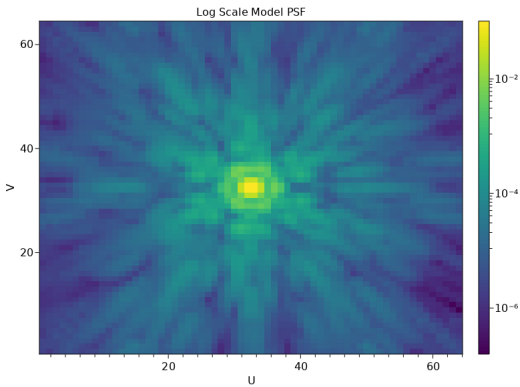FIGURE 6: Scatterplot

FIGURE 7: Pixel Grid Fit

FIGURE 8: log scale attempt

$\boxed{\textit{To-Do}}$

1. ρ statistics
2. plot fiexs (stars)
3. $(x, y) \rightarrow (u, v), [uv - map?]$
4. kaisser squares
5. Chi-Square fix
6. catalog reading (borrow python code ?)
7. misc code cleanup