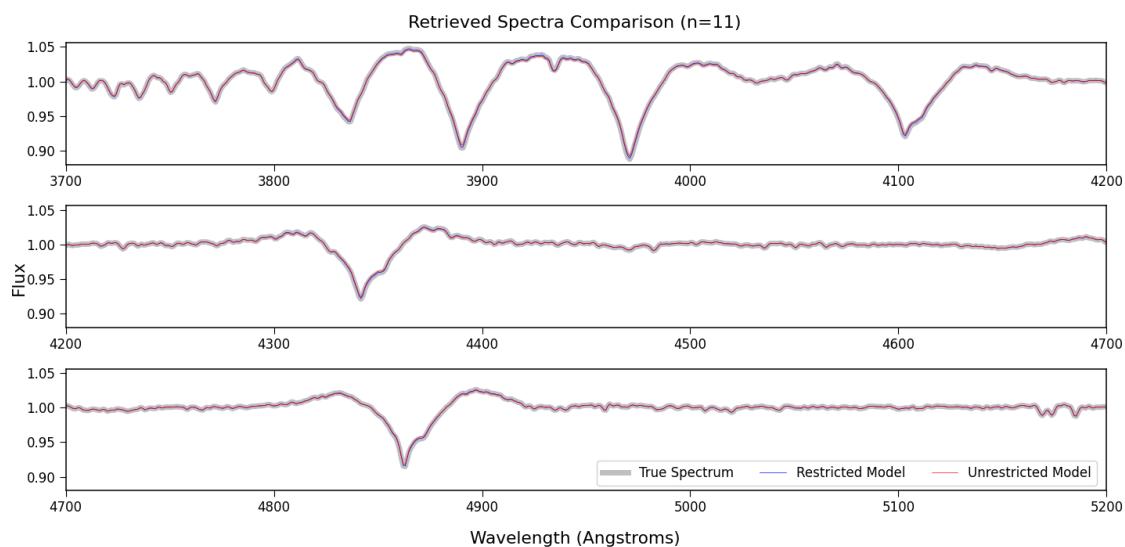


cannon-test

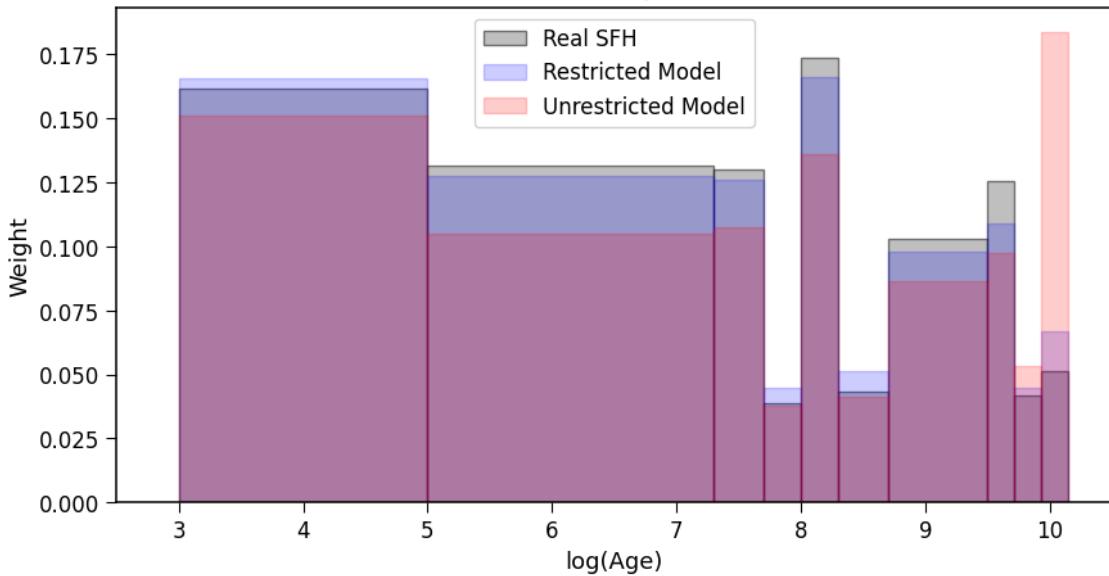
September 15, 2025

```
from analyse import CompareModels
model = CompareModels("sfh_1000_10_20250911_104717")

model.compare_spectra(11)
model.compare_sfh(11)
```

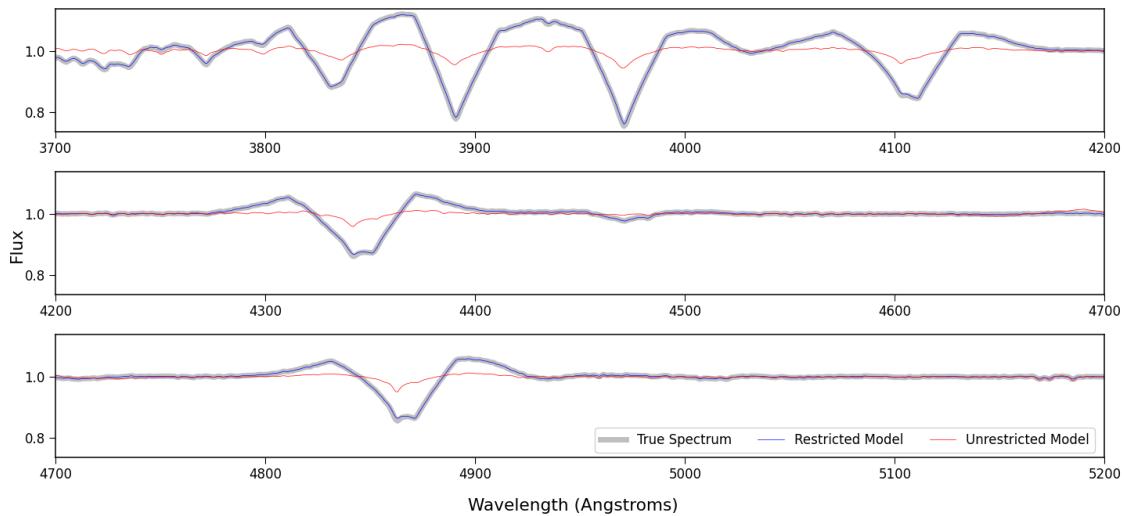


Retrieved SFH Comparison (n=11)

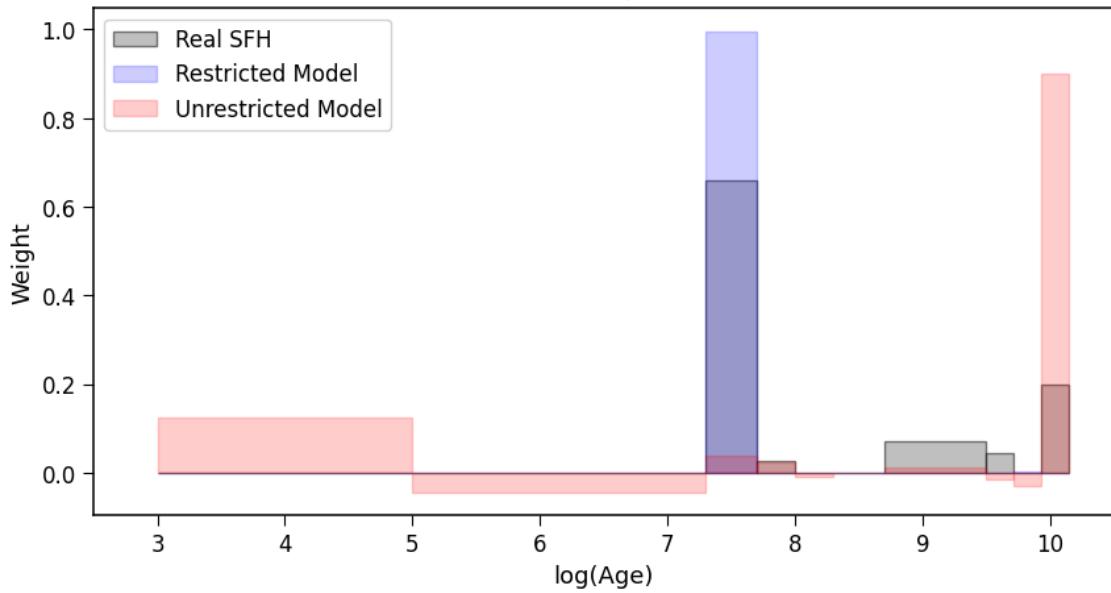


```
model.compare_spectra(100)
model.compare_sfh(100)
```

Retrieved Spectra Comparison (n=100)

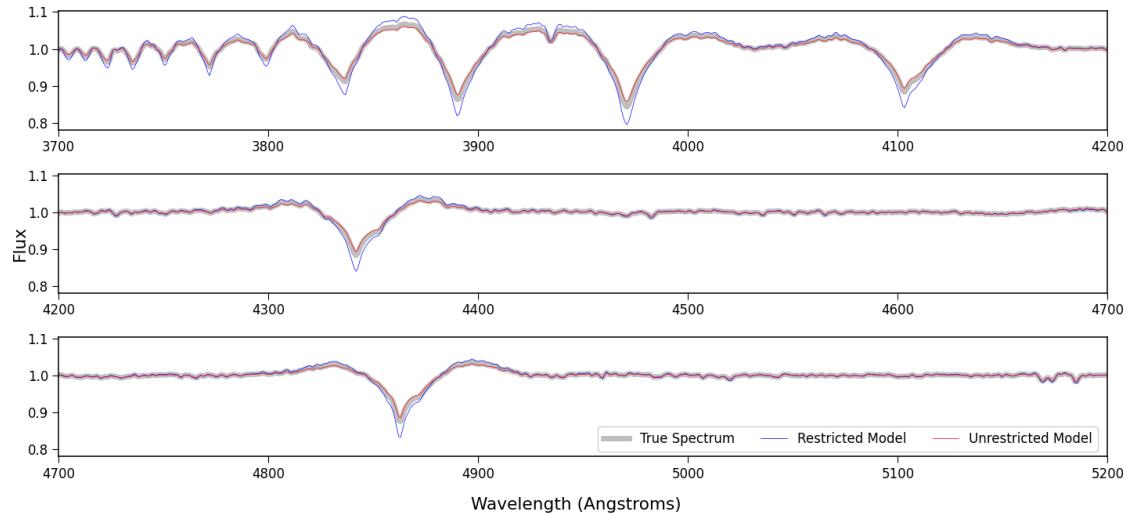


Retrieved SFH Comparison (n=100)

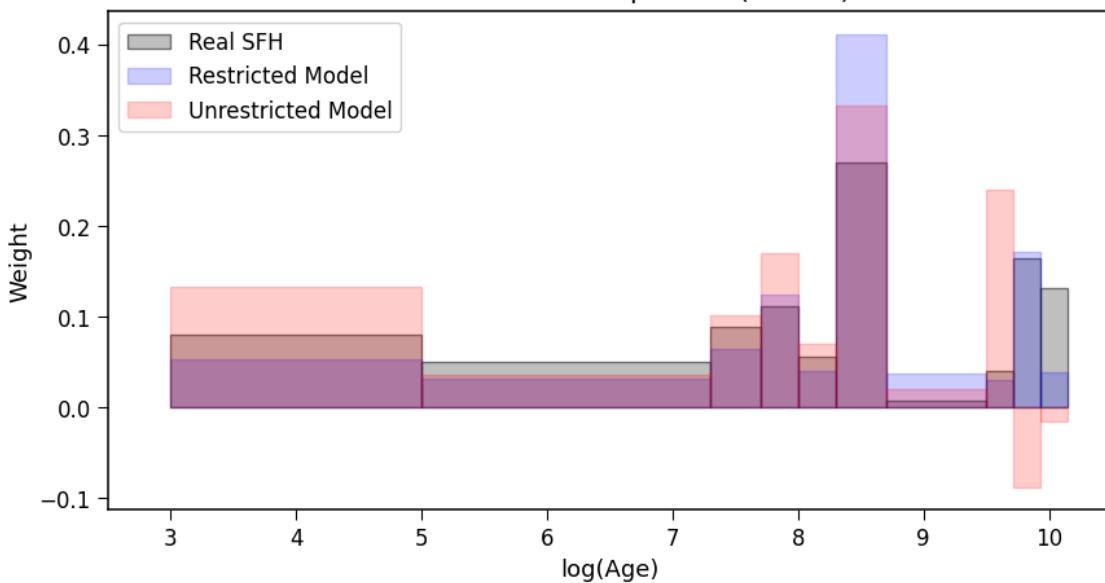


```
model.compare_spectra(300)
model.compare_sfh(300)
```

Retrieved Spectra Comparison (n=300)

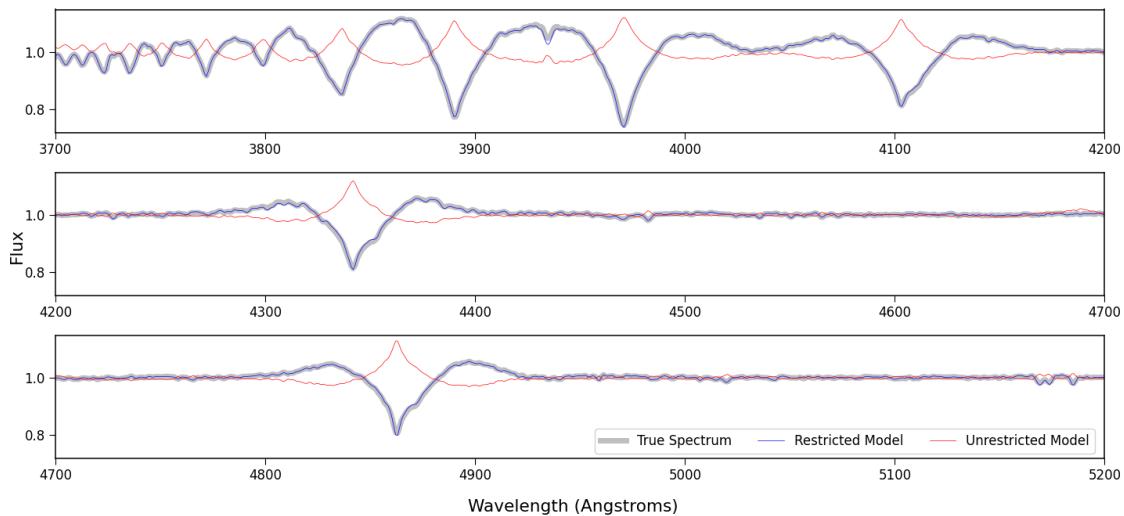


Retrieved SFH Comparison (n=300)

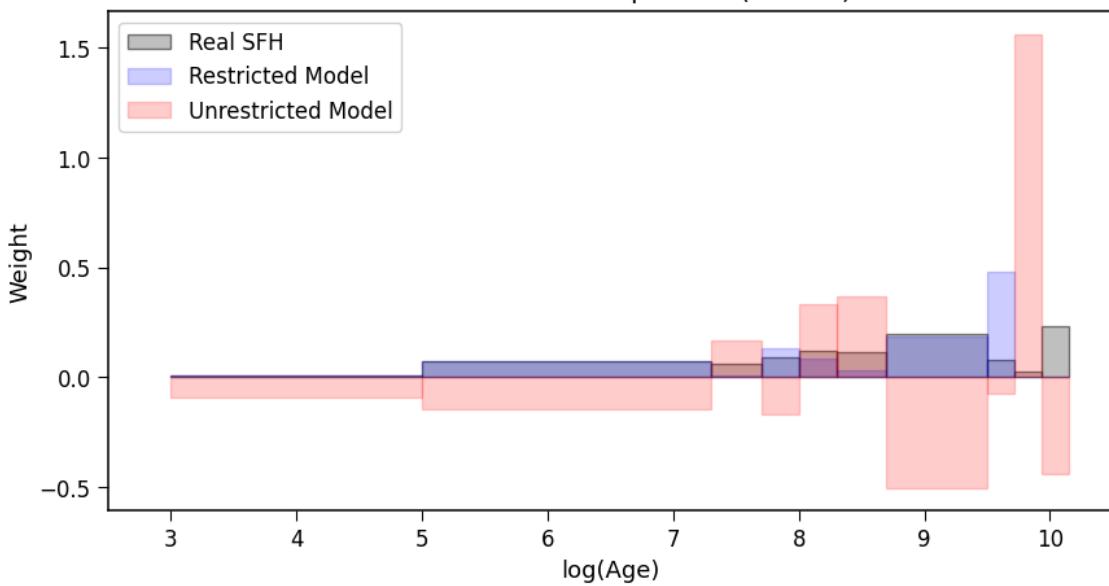


```
model.compare_spectra(600)
model.compare_sfh(600)
```

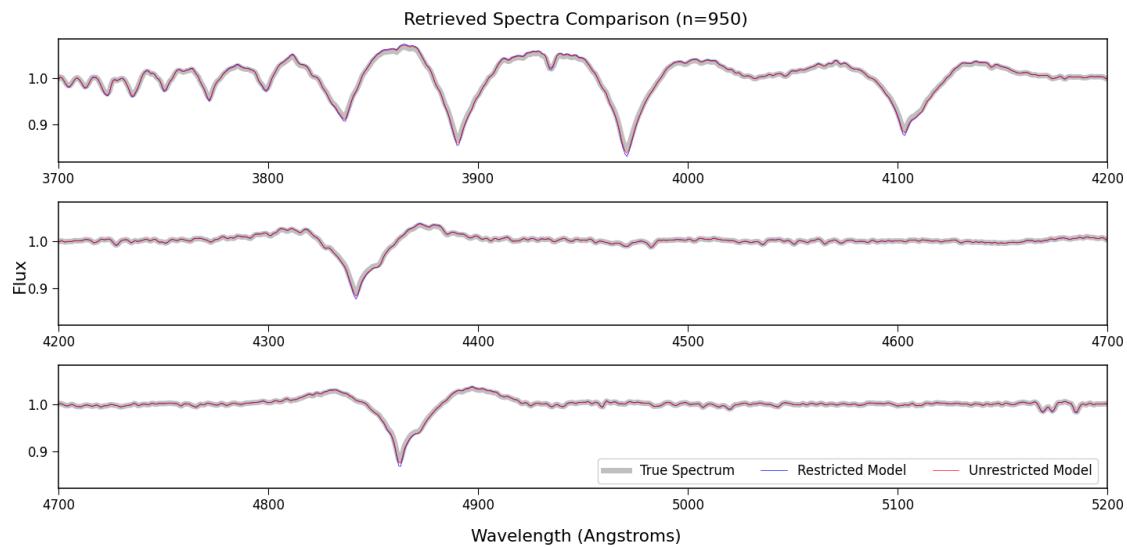
Retrieved Spectra Comparison (n=600)

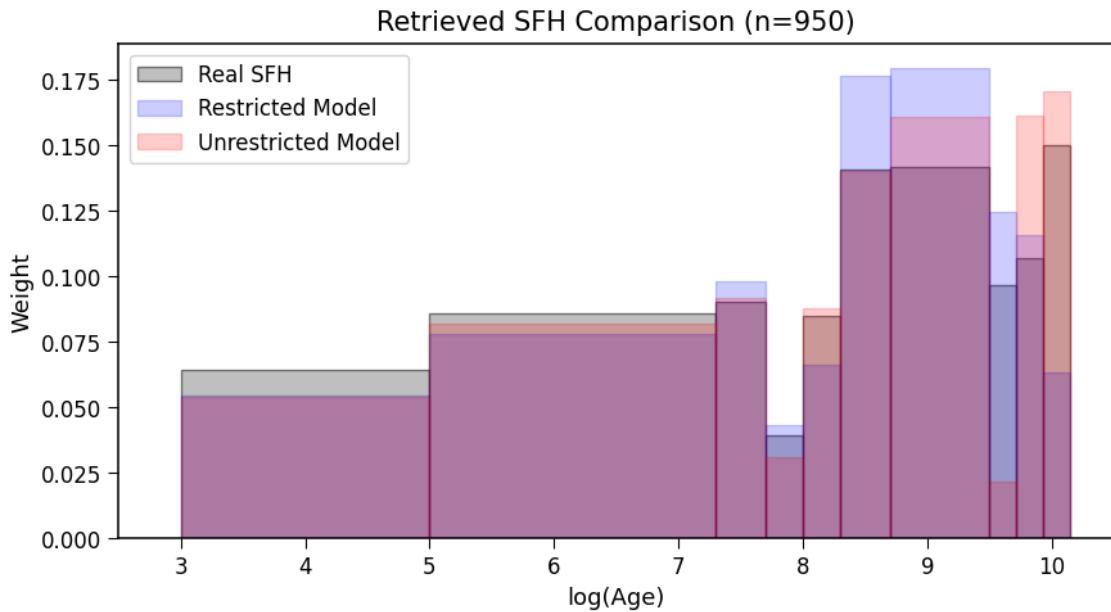


Retrieved SFH Comparison (n=600)

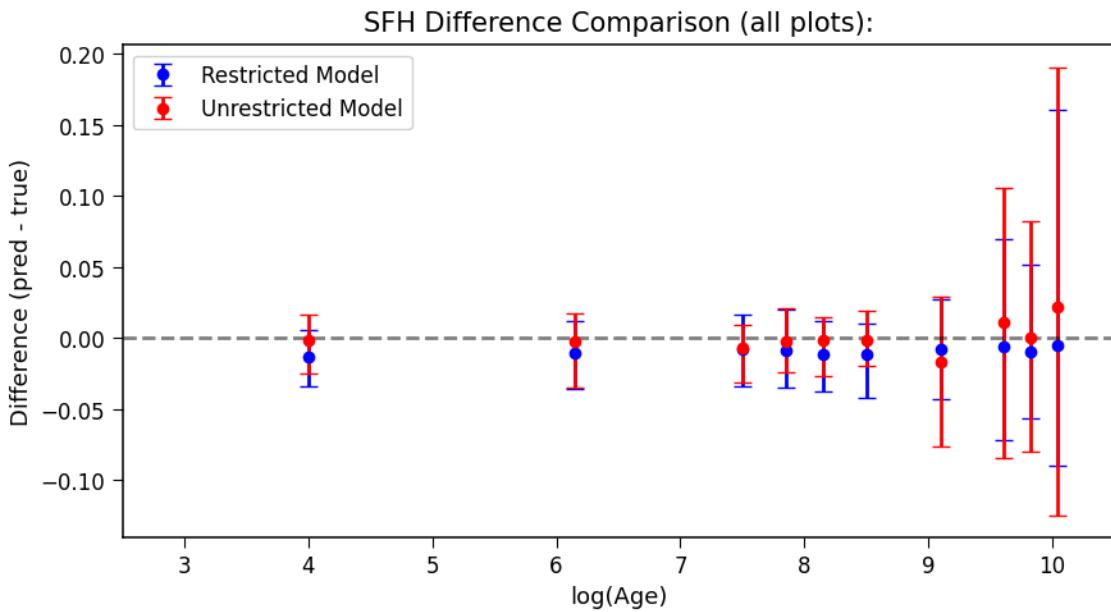


```
model.compare_spectra(950)  
model.compare_sfh(950)
```





```
model.compare_difference()
```



```
model.compare_rmse()
```

RMSE Comparison (all plots):

Label	Restricted	Unrestricted
1	0.042155	0.065588

2	0.047223	0.568009
3	0.075167	0.128580
4	0.058811	0.137180
5	0.081612	0.138776
6	0.056944	0.199474
7	0.067025	0.826611
8	0.114590	0.382878
9	0.098113	0.239338
10	0.186164	0.514317
Overall	0.092155	0.396613