From Line 419 edit:

## Fit models

You may want to compare the time it takes to fit each model. `tic()` starts a simple timer and `toc()` stops it

```{r, fit\_models}

#fitting the logistic regression

tic()

log\_res <- log\_wflow %>%

fit\_resamples(

resamples = cv\_folds,

metrics = metric\_set(

recall, precision, f\_meas, accuracy,

kap, roc\_auc, sens, spec),

control = control\_resamples(save\_pred = TRUE))

time <- toc()

log\_time <- time[[4]]

glimpse(time)

glimpse(log\_time)

```

```{r, fit\_models}

# fitting the decision tree

tic()

tree\_res <- tree\_wflow %>%

fit\_resamples(

resamples = cv\_folds,

metrics = metric\_set(

recall, precision, f\_meas, accuracy,

kap, roc\_auc, sens, spec),

control = control\_resamples(save\_pred = TRUE))

time <- toc()

tree\_time <- time[[4]]

glimpse(tree\_time)

```

```{r, fit\_models}

# fitting the random forest

tic()

rf\_res <- rf\_wflow %>%

fit\_resamples(

resamples = cv\_folds,

metrics = metric\_set(

recall, precision, f\_meas, accuracy,

kap, roc\_auc, sens, spec),

control = control\_resamples(save\_pred = TRUE))

time <- toc()

rf\_time <- time[[4]]

glimpse(rf\_time)

```

```{r, fit\_models}

# fitting the XGBoost model

tic()

xgb\_res <- xgb\_wflow %>%

fit\_resamples(

resamples = cv\_folds,

metrics = metric\_set(

recall, precision, f\_meas, accuracy,

kap, roc\_auc, sens, spec),

control = control\_resamples(save\_pred = TRUE))

time <- toc()

xgb\_time <- time[[4]]

glimpse(knn\_time)

```

```{r, fit\_models}

# fitting the k-nearest neighbors model

tic()

knn\_res <- knn\_wflow %>%

fit\_resamples(

resamples = cv\_folds,

metrics = metric\_set(

recall, precision, f\_meas, accuracy,

kap, roc\_auc, sens, spec),

control = control\_resamples(save\_pred = TRUE))

time <- toc()

knn\_time <- time[[4]]