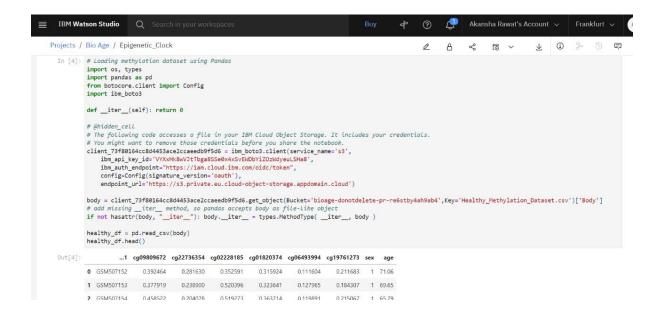
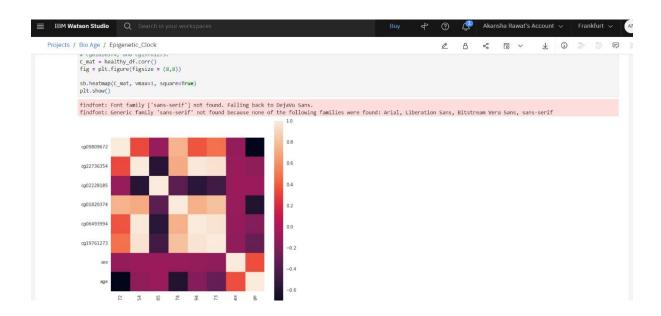
Results





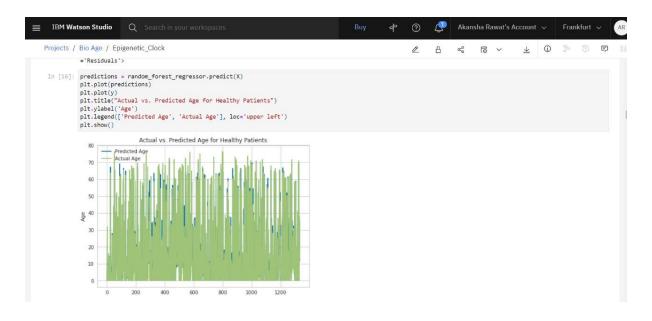
```
[8]: # Normalizing the methylation and sex data with a Standard Scaler.
    X = healthy_df[['cg9989672', 'cg22736354', 'cg02228185', 'cg01820374', 'cg06493994', 'cg19761273', 'sex']]
    # Separating X vs. y dataframes
    X_std = pd.DataFrame(std_scaler.fit_transform(X), columns=X.columns)
    y = healthy_df['age']

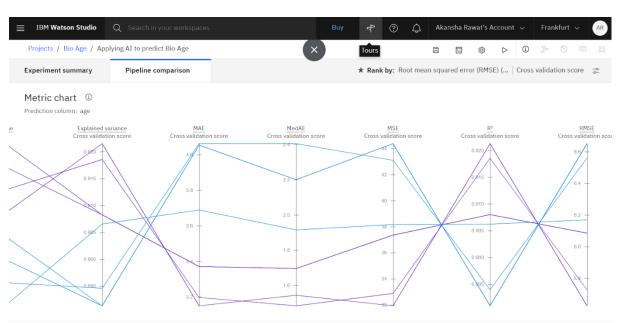
[9]: # Separating dataset into train and test subsets
    X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.33, random_state = 42)
```

```
# Building and training the Random Forest Regressor model
# Optimal value for n_estimators was determined by trial and error, comparing the score for each trial
random_forest_regressor = RandomForestRegressor(n_estimators = 17, random_state = 0)
random_forest_regressor.fit(X_train, y_train)

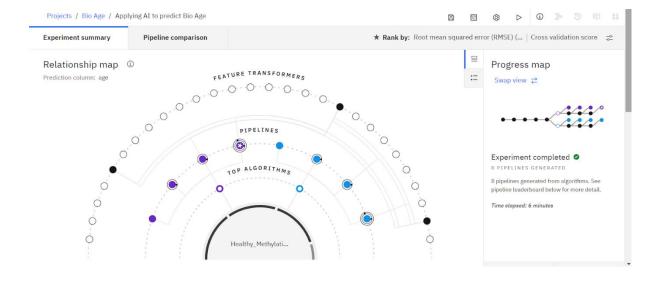
# Accuracy on the testing set
test_acc = random_forest_regressor.score(X_test, y_test)
print(test_acc)
```

0.9302161785526581



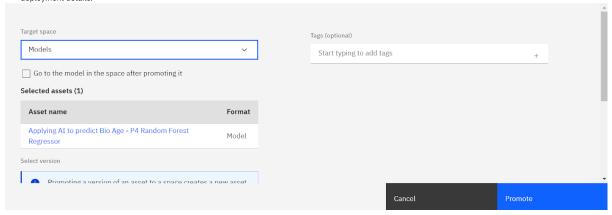


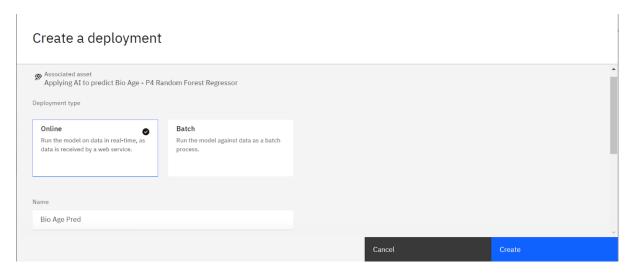
	Rank ↑	Name	Algorithm	Specialization	RMSE (Optimized) Cross Validation	Enhancements	Build time	
*	1	Pipeline 4	• Random Forest Regressor		5.626	HPO-1 FE HPO-2	00:02:06	
	2	Pipeline 3	• Random Forest Regressor		5.727	HPO-1 FE	00:00:46	
	3	Pipeline 2	• Random Forest Regressor		6.085	HPO-1	00:00:18	
	4	Pipeline 1	• Random Forest Regressor		6.085	None	00:00:01	
	5	Pipeline 8	• LGBM Regressor		6.169	HPO-1 FE HPO-2	00:02:10	
	6	Pipeline 7	• LGBM Regressor		6.560	(HPO-1) (FE	00:01:00	

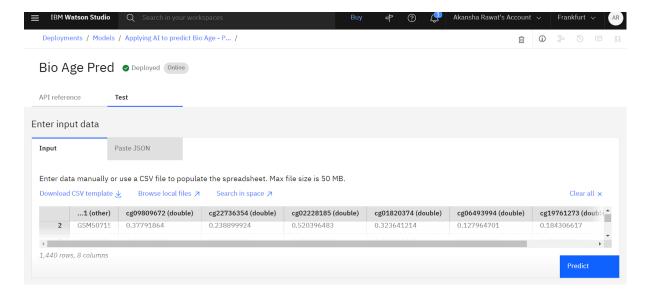


Promote to space

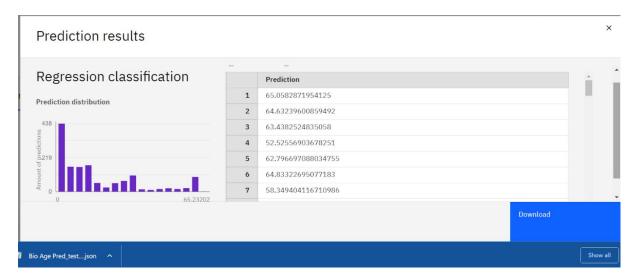
Use a deployment space to organize supporting resources such as input data and environments; deploy models or functions to generate predictions or solutions; and view or edit deployment details.



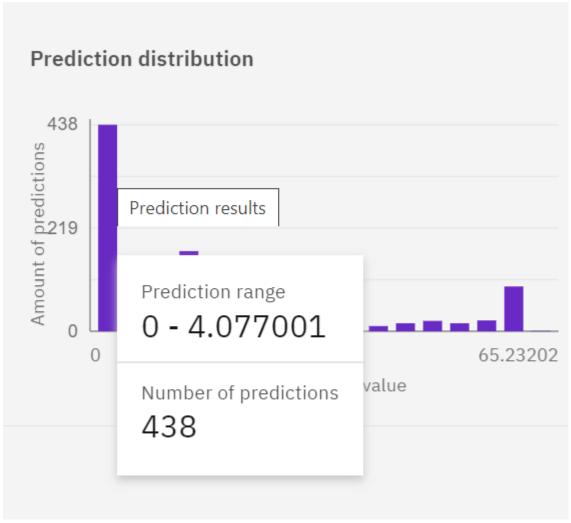




Browse local files to add your dataset file and click predict.



After predicting, download the results as a .json file.



Each bar shows the range and estimated predictions.