

# Screenshots to be submitted

## Assignment 1

PrometheusAlertsGraphStatus▼HelpClassic UI

✓Inactive (1)

✓Pending (0)

✓Firing (1)

Show annotations

/etc/prometheus/prometheus.rules > Prediction latency alert

inactive

> High prediction latency (0 active)

/etc/prometheus/prometheus.rules > Request error alert

firing (1)

▼ High Error Rate HousePriceService (1 active)

name: High Error Rate HousePriceService

expr: increase(revision\_app\_request\_count{isvc\_name="house-price",namespace\_name="kserve-inference",response\_code\_class="4xx"}[1m]) > 10

labels:

severity: warning

annotations:

description: More than ten 4xx errors in the last minute in house-price inference service.

summary: High error rate in house-price inference service

Labels	State	Active Since	Value
alertname=High Error Rate HousePriceServiceconfiguration_name=house-price-predictor-defaultcontainer_name=queue-proxyinstance=10.244.1.43:9091isvc_name=house-pricejob=kserve-inference-service-podsnamespace_name=kserve-inferencepod_name=house-price-predictor-default-00001-deployment-bd4b9fcb9-lc452response_code=422response_code_class=4xxrevision_name=house-price-predictor-default-00001service_name=house-price-predictor-defaultseverity=warning	FIRING	2023-12-07T23:31:26.141929406Z	28.896033333333333

## Assignment 2

Home / house-price-model-monitoring2

project id: d79519ed-0372-4471-8dc8-97fd3f6be79c

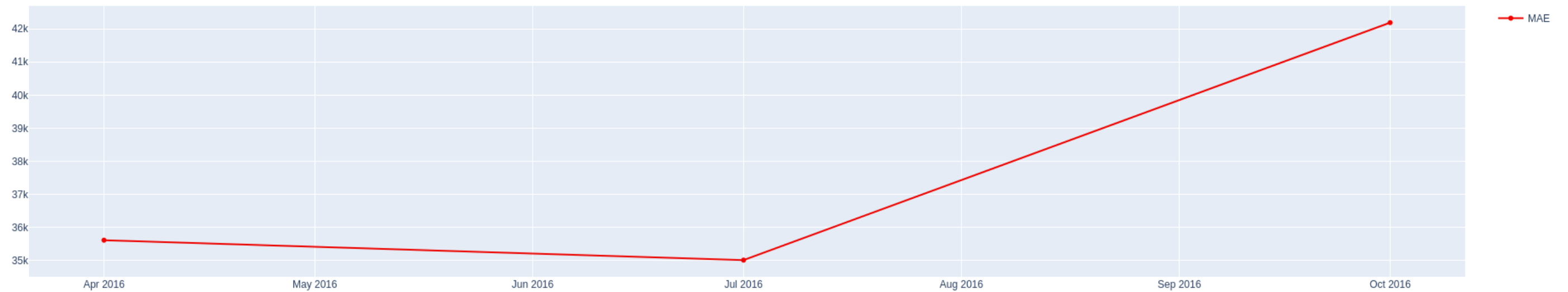
DASHBOARD REPORTS TEST SUITES COMPARISONS

Period From 01/04/2016 00:00 To 01/01/2017 00:00

# MAE

0/1 SUCCESS (2016-10-01 00:00:00)

## MAE



Regression Model Performance. Target: 'price'

Current: Model Quality (+/- std)			
-49464.42 (75461.83)	59293.34 (68001.94)	7.68 (0.06)	
ME	MAE	MAPE	
Reference: Model Quality (+/- std)			
-1822.52 (62002.67)	28240.15 (55225.53)	4.34 (0.06)	
ME	MAE	MAPE	

Predicted vs Actual



Error Bias Table

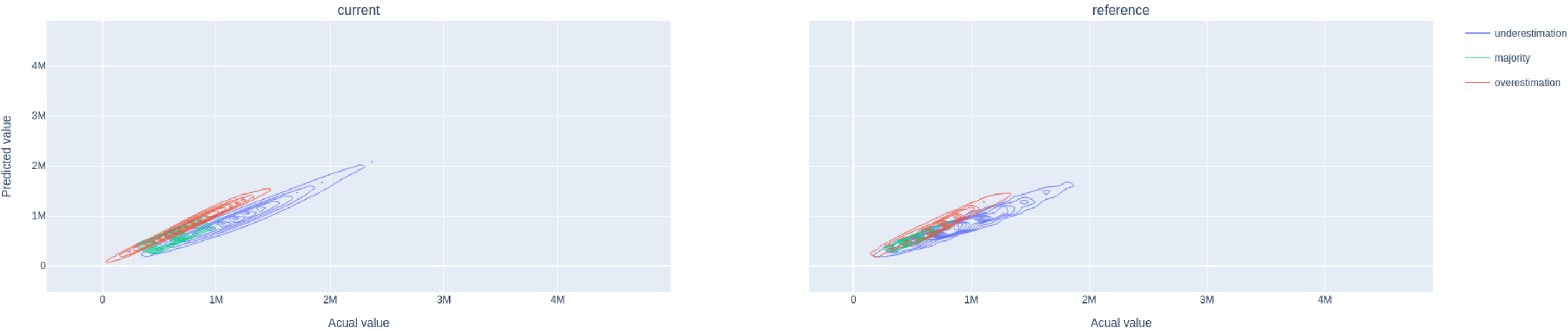
Current: Mean Error per Group (+/- std)

-44368.59 (34908.28) Majority(90%)	-274842.92 (137005.75) Underestimation(5%)	84781.68 (61669.55) Overestimation(5%)
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Reference: Mean Error per Group (+/- std)

-796.79 (21651.19) Majority(90%)	-139166.22 (154788.08) Underestimation(5%)	117190.77 (105994.66) Overestimation(5%)
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Predicted vs Actual per Group



Drift is detected for 52.941% of columns (9 out of 17).

							Q Search	×
Column	Type	Reference Distribution	Current Distribution	Data Drift	Stat Test	Drift Score		
> price	num			Detected	Wasserstein distance (normed)	0.562961		
> prediction	num			Detected	Wasserstein distance (normed)	0.37914		
> sqft_living	num			Detected	Wasserstein distance (normed)	0.283973		
> grade	num			Detected	Wasserstein distance (normed)	0.276324		
> sqft_living15	num			Detected	Wasserstein distance (normed)	0.24531		
> bathrooms	num			Detected	Wasserstein distance (normed)	0.187226		
> sqft_lot	num			Detected	Wasserstein distance (normed)	0.128324		
> distance	num			Detected	Wasserstein distance (normed)	0.114178		
> sqft_lot15	num			Detected	Wasserstein distance (normed)	0.103672		
> yr_built	num			Not Detected	Wasserstein distance (normed)	0.070362		

Assignment 3

Home / house-price-model-monitoring

project id: 99e2e4af-15e0-42a2-8b25-8b9017c6efab

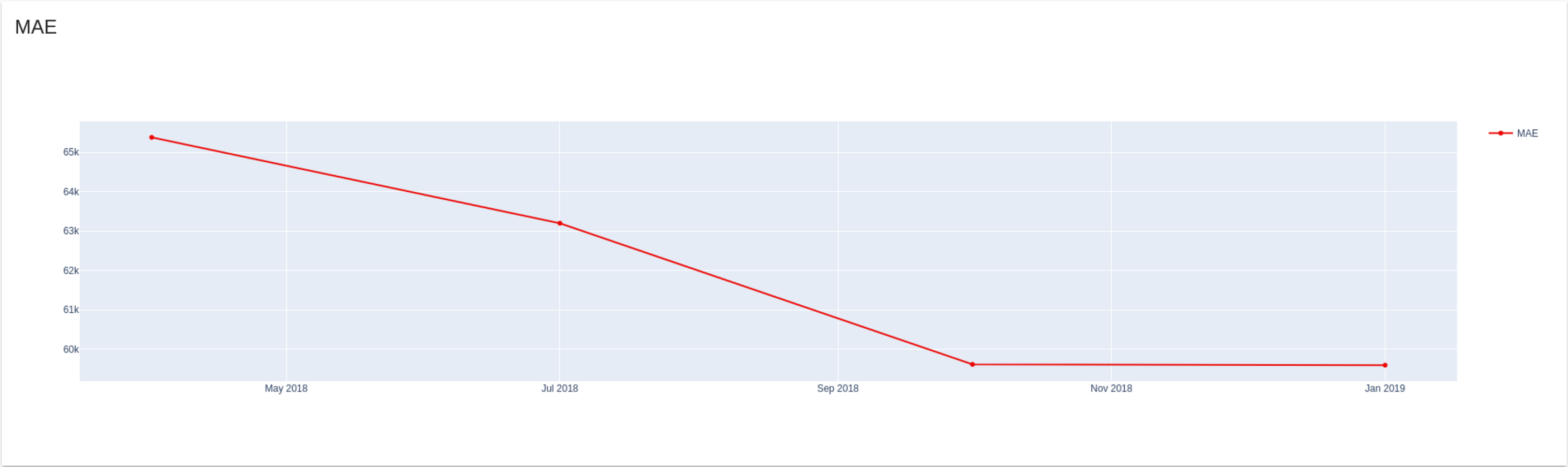
DASHBOARDREPORTSTEST SUITESCOMPARISONS

Period

From01/04/2018 00:00To01/01/2019 00:00

MAE

0/1 SUCCESS (2019-01-01 00:00:00)








Home / house-price-model-monitoring / Test Suites

project id: 99e2e4af-15e0-42a2-8b25-8b9017c6efab 

- DASHBOARD
- REPORTS
- TEST SUITES
- COMPARISONS

Filter by Tags 

Test Suite ID	Tags	Timestamp 	Actions
dba49f27-5b18-449c-8e1f-2c118a1772e9 	<div>2018-quarter4</div> <div>Week6LgbmHousePrice-1</div>	Tue, 1 Jan 2019 00:00	<a href="#">VIEW</a> <a href="#">DOWNLOAD</a>
f756ec7b-ba1a-4c4f-adfd-5768889a40f3 	<div>2018-quarter3</div> <div>Week6LgbmHousePrice-1</div>	Mon, 1 Oct 2018 00:00	<a href="#">VIEW</a> <a href="#">DOWNLOAD</a>
aaa52192-7b94-48cf-b053-535a3a11001e 	<div>2018-quarter2</div> <div>Week6LgbmHousePrice-1</div>	Sun, 1 Jul 2018 00:00	<a href="#">VIEW</a> <a href="#">DOWNLOAD</a>
6af51f12-0559-467a-9961-9d5e70198497 	<div>2018-quarter1</div> <div>Week6LgbmHousePrice-1</div>	Sun, 1 Apr 2018 00:00	<a href="#">VIEW</a> <a href="#">DOWNLOAD</a>