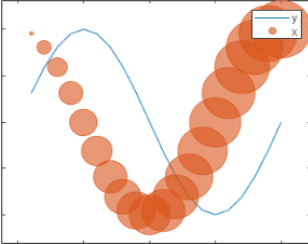
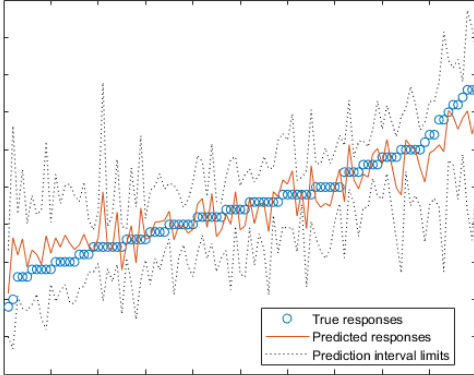
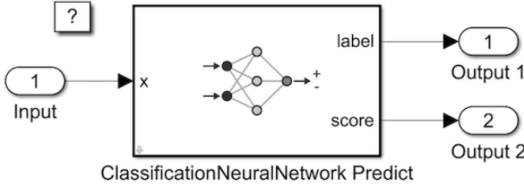
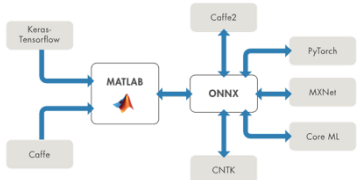


What's New in MATLAB R2021b for Data Science?

Data Science		
MATLAB	Machine Learning	Deep Learning
<p>Data Preparation Compute By Group Live Task Summarize, transform, or filter by group Create Plot Live Task Add additional visualizations</p>  <p>Python Run Python From MATLAB <pre>>>> pyrun("a = b*c", b = 5, c = 10) >>> md = pyrun("d = a+c", "d")</pre> Support for Python 3.9 MATLAB now supports CPython 3.9</p> <p>Portability Parallel Computing Share parallel code with any MATLAB user with backgroundPool. This environment will run your code in the background <pre>>>> parfeval(backgroundPool, @magic, 1, 3)</pre></p>	<p>Modelling Anomaly Detection Detect anomalies in data using the isolation forest algorithm Classification Learner App Train Gaussian kernel classifiers for nonlinear model with many observations</p> <p>Explainability Generalized Additive Models: Plot prediction intervals Train a generalized additive model (GAM), and then compute & plot the prediction intervals of response values.</p>  <p>Simulink Neural Network Prediction Blocks You can now integrate the predict function of neural network classification and regression objects into Simulink using the new prediction blocks</p>  <p>Copyright 2021 The MathWorks, Inc.</p>	<p>Simulink Deep Network Designer Export trained network to Simulink</p> <p>Computation Parallel Inference Predict, classify and extract features in parallel with DAG & Series Network Automatic Differentiation Use complex numbers with dlarray</p> <p>Interoperability ONNX Network Automatic generation of custom layers when unsupported layers</p> 
Deployment		
<p>MATLAB Production Server GET Metrics Use the GET method to retrieve metrics for a server instance in the Prometheus® metrics format: cpu_time, requested_in_queue, requests_failed, etc.</p> <p>Web App Server Customize your Apps Home Page Deploy web apps directly from App Designer</p>		<p>Finance Reinforcement Learning Hedging an Option using Reinforcement Learning Toolbox</p> <p>Optimization Integer Constraints Solve multiobjective problems with gamultiobj integer, bound, linear, and nonlinear inequality constraints</p> <p>Parallel Computing GPU arrays Check memory used with the whos function</p>