



Case Study: Predicting the market development and performance of fashion and luxury brands

Partner:

IFDAQ commenced as a scientific research project in 2008, when a consortium of AI pioneers and Big Data leaders mutually explored new technologies to refine the world's largest fashion data asset.

Challenge:

The fashion and luxury industry is highly complex and insight into fundamental KPI's gives companies valuable information which they can use to improve their competitive edge. IFDAQ is looking for compute performance which can deliver these results to their customers in a timely and cost efficient manner.

Solution:

The solution helps in visualizing, predicting and monitoring the market's dynamics and impacts in real-time and with meaningful transparency. They were able to predict careers and performances of professional fashion models by calculating a final benchmark value from decisive factors under the most complex conditions. This guarantees an accurate and precise rating of the entity and shows 3.5x improvement in training performance using Intel optimized Tensorflow on 2nd Gen Intel Xeon Scalable processor

Configuration: IFDAQ Configuration: NEW: Tested by Intel as of 08/06/2019. 2 socket Intel® Xeon® Gold 6248 Processor, 20 cores per socket, OS Ubuntu 18.04.2 LTS, Deep Learning Framework: Intel Optimized TensorFlow 1.12.0, custom test data, for Feed Forward (single layer), Batch size : 200, python 3.6

BASELINE: Tested by Intel as of 08/06/2019. 2 socket Intel® Xeon® Gold 6248 Processor, 20 cores per socket, OS Ubuntu 18.04.2 LTS, Deep Learning Framework: TensorFlow 1.12.0, custom test data, for Feed Forward (single layer),Batch size : 200

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. For more complete information visit <http://www.intel.com/performance>. Performance results are based on testing as of August 2018 and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure.

RESULTS

INTEL®
AI BUILDERS
MEMBER

UP TO 3.5X increase

In **Training** Performance on 2nd Gen Intel Xeon Scalable using Intel optimized Tensorflow

