

Kortical Introduction

Accelerating and De-risking AI projects

KORTICAL BACKGROUND

Kortical is an AI as a Service platform with expertise support, that speeds up and de-risks your AI projects, from years to weeks

Kortical is trading since Oct 2016

It all started from Andy & Alex working on AI projects, delivering data science services and there was a lot of repetition and iteration to get good results so they sought to automate the heavy lifting, to greatly accelerate the delivery of data science solutions to deliver value from AI quickly

Andy - tech and banking background Alex - PHD in AI Together with a UK based team, we have delivered an AI platform that is powering the NHS blood and Deloitte tax systems to name a few

Kortical an AI accelerator built by data scientists for data scientists







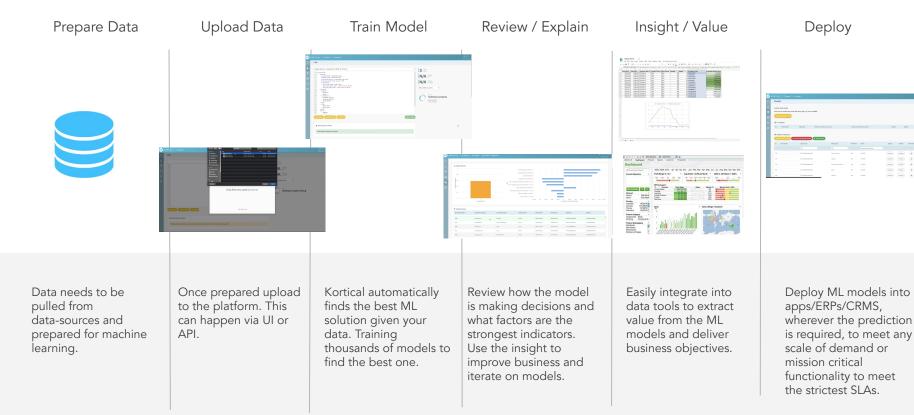
"A machine learning accelerator the likes you have never seen"

Simon James - Group VP of Data-science PUBLICIS.SAPIENT

Time to Value	Best in Class Results	Mission Critical	100% Customer Success
Deliver AI 24x faster than Gartner industry averages	Won bid for NHS kidney matching against Deepmind, improving state of the art 8.6%	National blood supply for the UK runs on Kortical Al	Industry averages 15% success for AI projects according to Gartner.
*		*	*
NHS & Deloitte Business Transformation in 6 months *	* Beat Google and 5 other top teams at Schroders Datathon	Deloitte use Kortical AI to power their core tax business	Kortical has pioneered best practice in delivering AI successfully and is committed to customer success
POC for the FCA 1 day	* Top scores on Kaggle competitions vs competitors such as Datarobot	BT uses Kortical AI for predictive maintenance of critical infrastructure	* Kortical uses best in class partners

The Platform

METHODOLOGY



BESPOKE AI

Kortical's AutoML can **build any ML solution**, it doesn't use templates like other AutoML providers.

Kortical uses a patented approach using **AutoML to write code** building up completely custom solutions. This has three main advantages:

- 1. The AutoML is building from the ground up to find the best solution so the results are world-class
- 2. Users can read, understand and fully **control** the AutoML through the code
- 3. It's easy to iterate, collaborate and version control snippets of code over clunky UI based interfaces



Kortical: Language define any solution

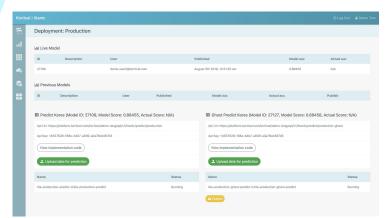
ENTERPRISE DEPLOYMENT STANDARDS

Enterprise grade deployment. Which includes:

Uptime, scalability, failover, redundancy, disaster recovery, deployment history, rollback, data lineage.

Kortical also has a patented approach to environment management making it very easy to support the ML model lifecycle.

Update models with full confidence, through multiple environments, challenger models and hot swapping.



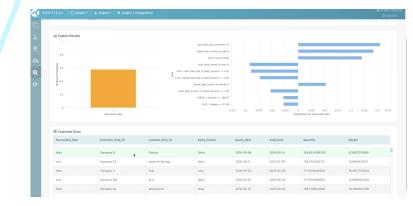
Kortical: 1 click deployment environment management

EXPLAIN ANY MODEL

Kortical can **explain any ML model solution**, from deep neural networks with text to a linear model.

Other platforms do explanations on substitute models, like showing random forest explanations for deep neural networks, etc. Kortical explains the exact model used.

By providing detailed insights on every model and prediction Kortical is **opening the black box** and providing clients with a **fully auditable AI solution**



Kortical: Visualising model explanations intuitively

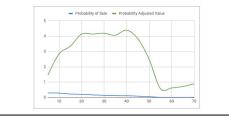
VALUE UNLOCKED QUICKLY

Kortical's platform can go from **data upload to a published model in 4 clicks**, meaning core functionality of the platform can be used by data scientists and analysts alike.

Kortical's live models come with **direct spreadsheet integrations out of the box**, to make our AI-driven predictive modelling truly accessible across the business.

This allows you to get to pilot quickly, to tweak and learn before you fully integrate the solution into BAU.

A B Quote_Date Avail_Date	Customer_Ship_To	D Location_Ship_To	E Sales_Person	F	G Margin	H Probability of Sale	Probability Adjusted Value	
								2018-05-02
2018-05-03	2018-05-17			Mary	128	10	0.2838287673	2.83828767
2018-05-04	2018-05-18			Mary	128	15	0.2233209171	3.34981375
2018-05-05	2018-05-19			Mary	128	20	0.2070081569	4.14016313
2018-05-06	2018-05-20			Mary	128	25	0.1655527471	4.13881867
2018-05-07	2018-05-21			Mary	128	30	0.1398120716	4.19436214
2018-05-08	2018-05-22			Mary	128	35	0.1161112763	4.06389466
2018-05-09	2018-05-23			Mary	128	40	0.109924787	4.39699147
2018-05-10	2018-05-24			Mary	128	45	0.08520198766	3.83408944
2018-05-11	2018-05-25			Mary	128	50	0.04991749076	2.49587453
2018-05-12	2018-05-26			Mary	128	55	0.01053832534	0.579607893
2018-05-13	2018-05-27			Mary	128	60	0.01032824131	0.619694478
2018-05-14	2018-05-28			Mary	128	65	0.01104746626	0.718085306
2018-05-15	2018-05-29			Mary	128	70	0.01272813853	0.89096969



Kortical's live predictive analytics in action via spreadsheet integration

KORTICAL BENEFITS

Futureproof - platform will always have the best Al algorithms and latest thinking

Deployment - mission critical standards

Full Explainability - provides actionable insights that drive business value Best in class AutoML - better (bespoke) models = more accurate insight

> Quality Results - ensures the maximum ROI from AI

End to End - automatically retrains new AI models so the best model possible is live

Support - via fully trained partners and in-house world class data scientists, leading the field in business applications of

Al

VALUE OF KORTICAL

Huge business impact from winning with AI in your market While reducing risk and reducing the costs to live AI

KORTICAL.AI

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Unlock the power of AI for your business