

New Use Cases for Al and Machine Learning in Customs

November 2024







Extract facts from lots of content



Understand multiple languages and can translate



Understand computer code



Don't get bored doing repetitive tasks



Understand context and individual requirements



Process complex research tasks in under a second



LLMs as Research Assistant for Customs' Risk Management Rules Creation

| Cleaned | Common names | Brand Names | | |
|----------------|--|--|--|--|
| Ketamine | 'Special K', 'Vitamin K', 'K', 'Ket', 'Ketalar', 'Ketanest', 'Ketaset', 'Ketavet' | 'Ketaset', 'Ketalar', 'Ketanest', 'Ketavet', 'Ketofol', 'Ketogesic', 'Ketopan', 'Ketophen', 'Ketorolac', 'Ketovet', 'Ketozole', 'Ketamine HCL' | | |
| Cyanocobalamin | 'Vitamin B12', 'Cobalamin' | 'Cobolin-M', 'Cyanoject', 'Nascobal', 'Cyanokit', 'Cobaforte' | | |
| Oxycodone | 'Oxy', 'Oxycotton', 'Hillbilly Heroin', 'Roxicodone', 'Percocet' | 'OxyContin', 'Percodan', 'Endocet', 'OxylR', 'Oxyfast' | | |

| | Latin Name | Common Names | French | Spanish | Arabic | Origin |
|--------|---------------------------|--|--------------------------|---|---|---|
| Secies | Eulampis jugularis | Purple-throated Carib ',Green- throated carib', 'Purple- throated carib', 'Green- throated mango' | Colibri madère | Colibrí caribeño gorgimorado | الكاريب الأخضر الحنجرة', 'الكاريب الأرجواني الحلق', 'المانجو الأخضر الحلق | AG, BB, BR, DM, GD, GP, MQ, MS, AN, KN, LC, VC, VI |
| n | Epipedobat es tricolor | Phantasmal Poison Frog, Three-striped Poison Frog, 'Tricolor Poison Frog | Epipedobate tricolore | Rana de punta de flecha tricolor, Rana tricolor ecuatoriana | ضفدع السم ثلاثي الخطوط', 'ضفدع السم ثلاثي الألوان | EC |









Perform web search for a risky transaction



Verify link between 'goods shipped' and 'nature of business'



Study shipper's current and recent historical transactions



Check outstanding legal issues or recently lost court cases



Match addresses provided with the company location



LangChain Software Development Framework





Near real-time analysis



Highly degree of accuracy



No expensive data subscriptions



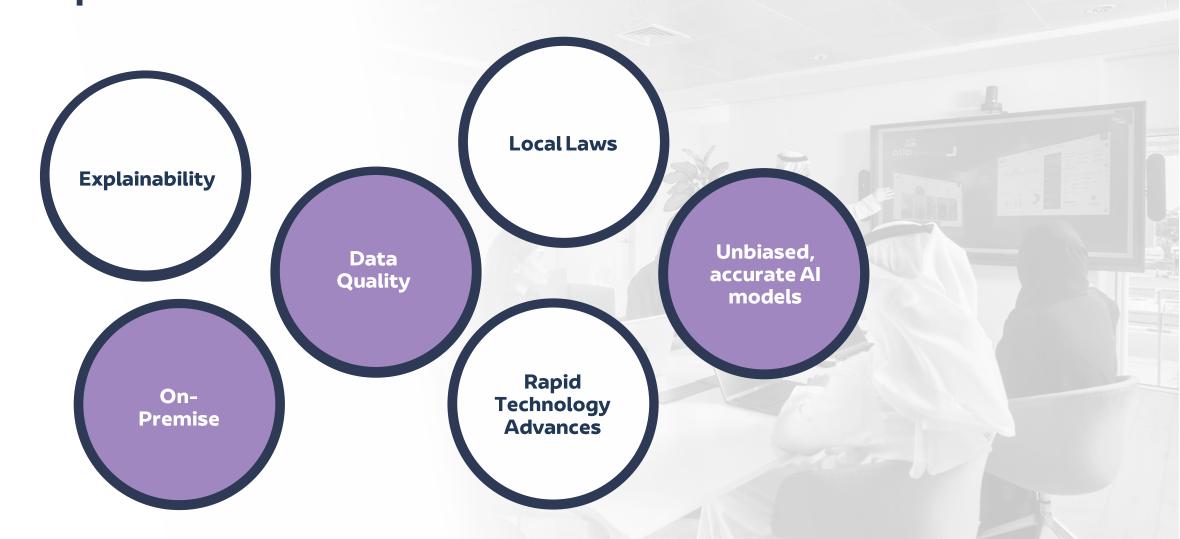
Multi-language capability







Key Considerations for **Implementation**









1.5M + risk indicators for Risk Management formulated by customs experts – updated using Al مرحبا بكم في المنطقة الرقمية



Up to 70% reduction in release times between Customs & other Government agencies



Hundreds of
Millions in
additional Customs
revenue (\$) collected

Thank You



