Product Feasibility

> ⓘ ... evaluating the initial technical feasibility of innovative product to understand whether it can be developed, i.e. defining the below 3 criteria for each experiment on research hypothesis
>
> - **Experiment Definition** - *Can we define a machine learning experiment for a given hypothesis statement?*
> - **Applied Research Performance** - *Is there enough evidence from the machine learning research that the hypothesis statement can be solved?*
> - **Data Analysis** - *Are there enough data and in an appropriate quality to conduct a machine learning experiment?*

priority	hypothesis statement	topic	phenomenon	experiment definition	applied research performance	data analysis
1	fund risk factors	market uncertainty	market instability in market sectors	?	?	?
			market instability in local markets	?	?	?
			market instability in global market	?	?	?
		challenging holdings	difficult holdings to value	?	?	?
			new instrument type	?	?	?
			new general ledger accounts	?	?	?
			securities with stale prices	?	?	?
			fair value securities	?	?	?
			large amount of securities	?	?	?
			corporate actions on holdings	?	?	?
			single source securities	?	?	?
		manual entries	funds with manual entries in the system	?	?	?
			system parameters	?	?	?
			user commentary on exceptions	?	?	?
		fund outliers	fund component (bottom-level)	?	?	?
			fund asset category (middle-level)	?	?	?
			fund group (top-level)	?	?	?
2	drivers of fund valuation uncertainty	fund valuation uncertainty	impact of risk factors on fund	?	?	?
3	fund valuation confidence	fund and market behaviour	identification of fund valuation and market behaviour issues	?	?	?
			impact of fund valuation and market behaviour issues to fund operations	?	?	?
4	dynamic tolerances for fund oversight validations	correlation of fund valuation to market behaviour	asset price movement (bottom level)	?	?	?
			category level tolerance (middle level)	?	?	?
			NAV price vs benchmark (top level)	?	?	?
5	fund oversight fact-check	fact checking	verification of price rate and source	?	?	?
			verification of price and trade time	?	?	?
			verification of investor and fund actions	?	?	?
			identification of contradictory signals	?	?	?
6	synthetic fund benchmark	fund performance	synthetic benchmark	?	?	?

7	validation-onboarding match for fund oversight	data mapping to system configuration	correlation of raw data to fund oversight validations	?	?	?
8	automated fund narratives	automated commentary	explainability of NAV movement	?	?	?
			explainability of news relevancy to funds	?	?	?
9	exception categories for pre-fund oversight	data quality	analysis of upstream and system data	?	?	?
			analysis of source data	?	?	?
			analysis of data delivery	?	?	?
10	exception management time	exception management	estimation of manual effort	?	?	?
11	fund pre-oversight confidence	data confidence factor	operational data complexity and combination	?	?	?
			fund static data complexity and combination	?	?	?
		fund check confidence factor	fund check completion	?	?	?
			fund check optimisation	?	?	?
12	cognitive oversight of fund	autonomous oversight of fund valuation	virtual assistant	?	?	?
13	fund oversight reporting	reporting & analytics	management information dashboard	?	?	?
14	fund calendar	market and operational events for funds	interactive fund calendar	?	?	?