

Application areas for TheGMax

Normal Data Content	Application	Target
Continuous, categorical Text, numeric, pateint data in same dataset	Functionalgenomics Metabolomics Genetics	<ul style="list-style-type: none"> - Sequence information on proteins or nucleic acids - Expression profiling of RNA, proteins or metabolites - Microarray content design & analysis - paternity testing
Continuous, categorical, text , numeric in same dataset in same dataset	Cellomics	<ul style="list-style-type: none"> - Study of intracellular events & pathways - Man on a plate content optimization
Continuous, categorical, text,numeric, epidemiological data Patient physiological data in same dataset	<ul style="list-style-type: none"> - Secondary screening - ADME - Toxicological profiling - Drug Safety studies - Virtual drug discovery - Blood Brain Barrier modelling 	<ul style="list-style-type: none"> - Activity of a sequence or as a motif or promoter - Personnel medicine - QSAR
Continuous, categorical, text,numeric in same dataset	Strain selection & optimization	Maximize yeilds of crops and micro-organisms
Continuous, categorical, text, numeric, epidemiological data, socio economic data etc in same dataset	Pharmacogenomics	<ul style="list-style-type: none"> - Predictive medicine - Prognostics - Diagnostics - Presence or liklihood of disease - Susceptability/ risk analysis to genetic disorder or disease
Continuous, categorical, text, numeric in same dataset	Chemometrics	<ul style="list-style-type: none"> - Mass spectrometric data analysis - Mass spectrometric instrument optimization - Analysis of dirty samples - assay design optimization - feature extraction - Molecular dynamics - Kinetic modelling
Continuous, categorical, text, numeric, other data forms	Behavioural sciences	Psychological profiling Psycho logical testing
Continuous, categorical, text, numeric, other data forms	Engineering & Aerospace	Differential imaging Signal analysis System time to failure Causes of failure
Continuous, categorical, text, numeric, other data forms	Physics, Astronomy, Geography & Meteorology	Oil prospecting Environmental impact studies Stellar classification Particle event modelling