

Governing and Data Analytics helping it more egalitarian

Ideal-Analytics is a suite of software tools to glean information and therefore knowledge, from raw data.

Self-service, real-time, on-demand ad-hoc analysis and high performance exploration functionality
with plug-ability, scalability & security, available in both SaaS and on-premise model

Governing is serving the people in any Re-public through

1. representation of the peoples' interests,
2. ruling for more equitable distribution,
3. creating proper infrastructure so that the public can feel more empowered in resource utilization,
4. develop their lifestyle,
5. equipping them to tackle issues,
6. gaining more in terms of facilities and productivity through progressively less working, augmenting social culture,
7. giving the public more assured future life and less and less of uncertainties and anxieties,
8. Providing the best and equitable health assurance
9. Providing the best of the life-carrying quotidian services for a clean, sumptuous utilities,
10. Creating, maintaining and providing resourceful markets flushed with essential and desired and affordable produces.
11. Planning and assured provision for eventualities
12. Providing the newer facilities, services and innovations with more and more affordability and with less and less sacrifice from the people.

Governing is providing the Society to the Individual. Ruling means providing, assuring, maintaining and developing - empowering.

Governments rule. Ruling, they do anyway, anyhow, for the better or for worse, as desired or otherwise, empowering or otherwise, for the good of most or for a few, providing or disheveling- they Rule and that they do for sure. Governments Rule with data. Military or regulations all are but *monitoring, maintaining manipulating, reserving, withholding, archiving, selective catering, manipulating and re-formulating DATA*.

Any social and regulatory collective or authority essentially deals in DATA. Data is obtained in raw un-processed fashion from the field where it is generated and then processed as per the rules or policies. They are then catered suiting another set of guidelines facilitating the government's own stability - this is known as Politics- the method and tactics to gain and stay in power. DATA is the lifeline of Politics. Manipulating and re-presenting processed data is done by DATA Analysis. DATA Analytics tools help doing so when it becomes too difficult and complex for ready human hands to process. Effective DATA ANALYTICS tools are those that can perform these duties faster, easier, readier and on-demand. IDEAL-ANALYTICS is a data analytics tool that has redefined Business Intelligence in the IDEAL most way available in the present market facilitating users as a self-serving application depicting the inner meanings pictorially toward ready comprehension and decision making.

Decision space provided by DATA-ANALYTICS

Data manipulations for right and good reasons or formal, re-present them in collated sets with various dimensions, measures, filters and pictures - it is a "make believe" game where the output becomes the reality. A Data- Analytics tool needs to show various alternative view points and angles to the same data set digging out the inner significance - this is DATA-Mining. Data keeps changing and updating. The depiction needs automatic and ready change in depiction whenever the underlying data should change. A decision point in real life is never singular and discrete, there is always a solution space that becomes more pointed and the area of space varies inversely as the number of considerations or dimensions and number of view-points.



Method of governing: case study - India

India is declared a Federal country where development projects are actually a joint venture between the National or Federal government and the provincial government. The Central allocates the money for a development "project" with a full plan of spending and description of the job with the objectives and the metrics that would measure the success of the job, the provincial governments would match the fund or would have to shell out a stipulated amount of money and a fixed timeline with milestones.

The monitoring and management of the allocated funds, the expenditure as per the milestones, the overshoot or under-performance, the quality of performance, the plans to complete the rest with what price of resources - all need a rigorous data handling, number crunching, aggregation and averaging exercise. The data is crucial at every stage and on a quotidian basis. This data is captured from the field needs to be reported from the field with considerable ease. The field level operatives and the data analysts at the node or hub need to be ready to churn the data and come out with knowledge artefacts. Data needs to be processed on-line and on-the-point-of-capture simply because they are changing very fast and the trend at any moment is important to ascertain the change rate in the next instant or in the instant of data change. A Data analytics tool hitting the transaction data base is more of a necessity than any model creating lag-induced Business Intelligent tool that has to depend primarily on the creation of complicated models.

Thousands of ratios, metrics, elasticity metrics, aggregates, averages and variations, calculations of slack time and critical path are to be calculated regularly with every change of the underlying data set. The application tool has to be therefore self-serving and should not have to be dependent upon the technology professionals. The presentation on the dashboard has to be instantaneous, slick, smart and moving with animated help. They should be elegant no-less-than any competition in the market would proffer.

IDEAL-ANALYTICS has been conceived, designed and developed with these considerations in mind, with the most advanced mathematics and yet is hidden from the user giving them a façade of very easy and simple look for them to use. The intimidation factor of the Business Analytics tools based on OLAP models have been in the consideration and IDEAL-ANALYTICS has done away with that kind of complexity.

Managing with special analyses

The efficacy of any project is denoted by cost-benefit analysis. One approach in government project evaluation as a whole is to algebraically add up the cost-benefit analysis of the sub-sectors and come to a definitive measure for efficacy. This is an old and crude approach. Governance is measured as a social-cost-benefit-analysis where the assumption is that there are a very few sectors who are aided by other sectors and the sectors do not have orthonormal relationships but are functionally related. The method of finding out the social-cost-benefit measure from all these subsectors is through step-wise-regression-analysis which will end up in having two or three most significant sub-sectors whose success will denote the success of government initiatives. Such a method is not possible to undertake from usual Business analytics based on OLAP technology. Ultimately one has to take recourse to data analytics technology. It is therefore prudent and smarter to approach directly through this technology that hits the transaction database right at the beginning and keeps the currency of data intact.

A modified ANOVA analysis is also very essential in evaluation in governance. A bunch of projects are considered first meaningfully and then at random to form groups. The performance of each project within the group is measured and their variance from the mean ascertained. Leaving out the outliers for further analysis



the standard deviation and cross analysis of these groups' performance [taking one common project as the relation key] one can measure a comparative effect of the project's effect on the others. This kind of analysis also has to be done through Data Analytics tool hitting the transaction database at every instance of query.

Data that is exported through spreadsheets to other specialized mathematical and statistical applications can produce wanders. IDEAL-ANALYTICS has an additional feature where the export can be embedded into a different application and report and that embedding actually has a direct link through internet connections directly to the transaction database enabling to deal with the current updated data in every instance of the report invoking. This is the trump-card of IDEAL-ANALYTICS and is therefore IDEAL for Data Analysis.

There are many such measures that are already in use and can and may be innovated, but all these require current data to be used and analyzed through very complex mathematical formulae. Even time series data and co-integration - the latest technology can be helped through self-serving, transaction database hitting, on-demand DATA Analytics tool like IDEAL-ANALYTICS. Government level decision makers cannot wait for the professional technology hand. This is the best part of our service - our offer- IDEAL-ANALYTICS.



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Analytics On-Demand

www.ideal-analytics.com

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