

Well-Being Indices of Galaxies

The Demographic and Socio-economic Factors that
Influence the Well-Being Indices of the Galaxies



Intro

Of the 80 variables that characterize the demographic and socio-economic situation of 181 galaxies over a period of at most 21, only 11 have been clearly determined to influence the composite index that's given as a measure of their well-being. The 11 factors clearly had a positive correlation with the Well-Being Index, had much of its observations across the dataset present and consequently ensured reliability and credibility of the predictions made in the validation set. The other variables however had much over 60 per cent of their observations missing hence lack reliability and would lead to biased predictions.

First point

11 Strongly Correlated Factors with Well-Being Index:

- Intergalactic Development Index 0.66
- Education Index 0.64
- Mean years of education(galactic years) 0.62
- Expected years of Education 0.61
- Income index 0.61
- Population using at least basic sanitation services (%) 0.60

- Existence expectancy at birth 0.59
- Existence expectancy index 0.58
- Population using at least basic drinking water service (%) 0.57
- Gross income per capita 0.51
- Intergalactic Development Index, Rank -0.71

These were the major determinants of the variance of the Well-Being Indices of the galaxies.

Second point

From Intergalactic Development Index, the education index, sanitation levels, gross income per capita all of which trace back to an improvement in standards of living have a positive correlation with the Well-Being Indices of the galaxies.

The higher the income index, the higher the index of Well-Being of a particular galaxy. This is due to increase in demand of commodities leading to their increased affordability resulting to higher Index of Well-Being.

The higher the education level, the more literate the people get and the more they get to understand possible ways of earning a living.	Gross income per capita and income index influence the Well-Being Indices positively as a result of them being a determinant of economic growth.
Sanitation levels, clean water consumption leads to improved health which consequently resulting to improved standards of living.	Existence expectancy at birth, existence expectancy index:- The higher they are, the higher the index of Well-Being of a galaxy.

Final point

The Well-Being Index is vastly determined by factors that hugely lead to or are as a result of improved standards of living.

