

A Quality of Life Index for American Cities

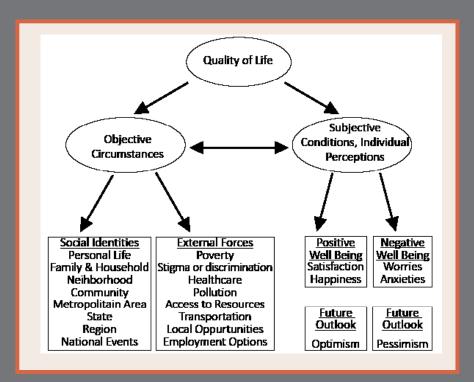
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Architectural Research Studio 771 Fall 2017 Dr. Ganathapy Mahalingam

INTRODUCTION

There are many reasons the social sciences seek to measure and track quality of life.



QUALITY OF LIFE IS BOTH OBJECTIVE & SUBJECTIVE

However the most common use, is for interantional organizations to assess daily life and compare nations in a way that goes beyond economics.



But what about the local scale?

What should be used by city government, housing agencies, community development corporations, charitable design projects, etc.

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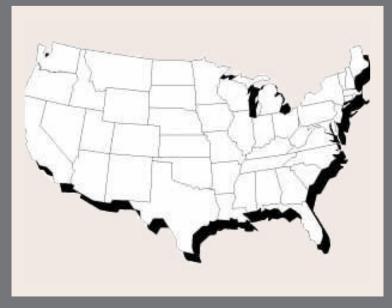
PRECEDENTS

SOME INTERANATIONAL MODELS INCLUDE:

- Human Development Index
- Human Wellbeing Index
- Weighted Index of Social Progress
- Personal Wellbeing Index
- World Happiness Report
- Physical Quality of Life Index
- Happy Planet Index
- Social Progress Index
- Quality of Living Report

Because of a similar geopolitical structure to the United States; this project is based upon the model used throughout the European Union





CATEGORIES FROM EUROSTAT aka The European Statistical Comittee

###	Material Living Conditions	前	Leisure & Social	
Ō	Work or Main Activity	01	Economic & Physical Safety	
() •	Health		Governance & Basic Rights	
	Education		Natural & Living Environment	
Overall Life Experience				

EUROSTAT CATEGORY	ADAPTATION FOR AMERICAN DATA
Material Living Conditions	Household Data
Work or Main Activity	Employment & Age Demographics
Health	Healthcare
Education	Educational Facilities
Leisure & Social	Public Space
Economic & Physical Safety	Economic Stability
	Physical Safety
Governance & Basic Rights	Equity
Natural & Living Environment	Environmental Pollution

By relying primarialy on nation-wide sets of information, 16 scores were totalled to acheive an index score for each city examined:









Population Comparison
Bangor Metro ≈ 125% Fargo City

Bangor City ≈ West Fargo*
60% Grand Forks
75% Moorhead

* An independent city that was not included at this time

Select numbers had to be acquired directly from webpages of the city in question.

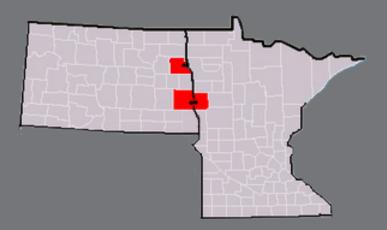
Category	Data	Explanations
- Caio	Area Median Income	Ratio of City as State Average
Household Data	SNAP (Food Assistance) Users	Percent of households under poverty threshold - more likely to be in severe financial distress.
ment	Metro Area Employment %	
Age & Employmes	Youth Dependancy Ratio	Population Under 14 years old Population aged 16-65
Was Dellings	Elderly Dependancy Ratio	Population of Retirement Age 65+ Population aged 16-65
	Population without Health Insurance	Percentage of Congressional District
Hedificate	Title X Providers in City	A very important health rescource for low-income people to receive reproductive cancer screenings and family planning services. Unfortunately this has become controversial enough to endanger Federal funding.

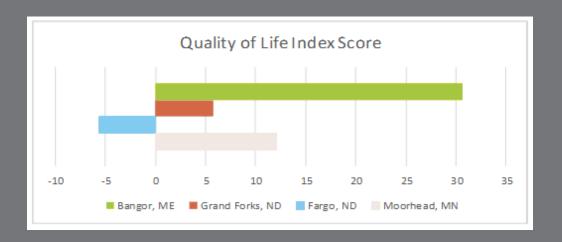
Category	Data	Explanations
Education	Ratio of Facilities	K-12 Buildings in School District Childcare Centers in City
Public Space	Number of City Parks	Recreation Locations in Park District K-12 Buildings in School District
conomic Security	Social Mobility Index A University Ranking	Index looks at class advancement finanical aid → alumni starting salary Index looks at class advancement finanical aid → alumni starting salary Index looks at class advancement finanical aid → alumni starting salary Index looks at class advancement finanical aid → alumni starting salary Index looks at class advancement finanical aid → alumni starting salary Index looks at class advancement finanical aid → alumni starting salary Index looks at class advancement finanical aid → alumni starting salary
France	Social Vulnerability Index Emergency Management Aid	Ranks census tracks on 15 topics, used here as a convenient way to detect concentrated povery. Some issues monitered unfairly flagged Fargo for being the most populated. So many flags the count method had to be changed twice!

Category	Data	Explanations
onyeical	Crime Rate / 100,000 ppl	Violent Crimes
` 58`	Crime Rate / 100,000 ppl	Violent Crimes + Property Crimes
Edity	Gender Wage Gap	The deficit between average Male salary and average Femal salary
Environmental	EPA Registered Brownfields Sites are recorded if cleanup is needed before any development can be done	Are there one or more sites within the city If yes, are any bad enough for Federal status? If no BIGONES regain some p o i n t s
r. Pollu	Water Quality	Any local water bodies "impaired" as defined in the Clean Water Act?

RESULTS

- Pollution is bad, (but it may have been wheighted too heavily)
- In using the Social Mobility Index, maybe other parts of it should have been used
- The SMI also makes it unfair to compare across regions.
- Therefore this system works best comparing "peer cities" within a region



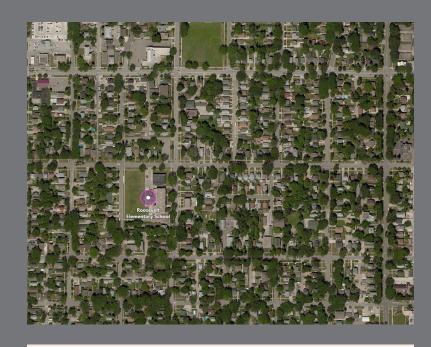




CONCLUSION

The Quality of Life index does not yet produce clear directives.

But it does support dense developmentand traditional neighborhood schools.



This is better for residents, and more sustainable than



This!

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