

Appendix: Complete list of data items used in the E-primed Index

Theoretical components	Data item description	Data source	
1. Innovation Index (II 2.0)	<i>Growth potential:</i>		
	Population density	Census	
	Share of prime population (age 25 – 44)	Census	
	Population share of high school diplomas	ACS	
	Population share of bachelor's degrees	ACS	
	University knowledge spillovers	NSF	
	Population share of STEM graduates	IPEDS	
	Employment share of technology-based knowledge occupations	BLS; O*NET; IBRC	
	Employment share of high-tech employees	BLS; IBRC	
	Venture capital share of GDP	Thomson One	
	Density of residential broadband	FCC	
	Average large establishments	CBP; BEA	
	High-tech industry early-in-life cycle establishment ratio (small quotient)	CBP	
	Patent class diversity	USPTO	
	<i>Economic wellness:</i>		
	Population share of some college education	ACS	
	Population share of associate degrees	ACS	
	Average small establishments	CBP; BEA	
	Proprietorship	BEA	
	Business incubator spillovers	NBIA	
	Average poverty rate	ACS	
	Average unemployment rate	BLS	
	Dependency ratio	BEA	
	<i>Business formation & productivity:</i>		
	Establishment birth rate	Census	
	Establishment birth-to-death ratio	Census	
	Establishment expansion-to-contraction ratio	Census	
	Local capital availability	FDIC	
	Growth of GDP per 1,000 employment	BEA	
	Growth of wage & salary earnings per worker	BEA	
	Proprietor income to wages and salaries	BEA	
	Change in proprietors' income per proprietor	BEA	
	Employment share of shock industries	BLS; IBRC	

Theoretical components	Data item description	Data source
2. Social capital	<i>Membership:</i>	
	Population (age 16 and above) literacy rate	NAAL
	Non-rent seeking organizations per 10,000 population	NCCS; SCBS
	Rent seeking organizations per 10,000 population	CBP
	Proportion of voters across the last three election years (2008, 2012 and 2016)	SCBS
	Proportion of single and non-family households	ACS
	Median age of population	ACS
	<i>Social assistance:</i>	
	Employment in outreach or social-assistance areas per 10,000 population	SCBS
	Intensity of volunteerism	SCBS
	Proportion of single-parent family households	ACS
	Proportion of foreign-born population	ACS
	Shannon racial evenness index	ACS
	Socioeconomic inequality GINI coefficient	ACS
	Violent crime events per 1,000 population	UCF
	Property crime events per 1,000 population	UCF
	<i>Religion:</i>	
	Share of charitable contributions	SCBS
	Political homogeneity (margin of vote count victory of winning political party over the second most popular party)	SCBS
Share of religious population	ARDA	
Proportion of age dependency	ACS	
3. Economic cohesiveness	Labor market proximity	O*NET
	Input-output proximity	CBP (Upjohn Institute)
	Knowledge transfer proximity	NBER Patent Database
4. Cluster growth	<i>Specialization:</i>	BLS; CBP; IBRC
	Herfindahl index (industrial employment share squared)	
	National Average Index (average employment deviation of an industry from its national benchmark)	
	Composite location quotient	
	<i>Adaptability:</i>	
	Industrial growth correlation	

Theoretical components	Data item description	Data source
	Industrial labor re-organization after the last Great Recession	
5. Cultural characteristics	<p><i>Personality/attitude:</i></p> <p>Belief in science</p> <p>Collectivism</p> <p>Conflict awareness</p> <p>Empathy</p> <p>Gender equality</p> <p>Hopefulness</p> <p>Openness</p> <p>Risk taking</p> <p>Selflessness</p> <p>Tolerance</p> <p>Work ethic</p> <p></p> <p><i>Compliance:</i></p> <p>Agreeableness</p> <p>Conscientiousness</p> <p>Extraversion</p> <p>Religiosity</p>	General Social Survey (GSS); Gosling-Potter Internet Project (Gozlab)
6. Arts & design and E-ship web usage	Art & design and E-ship web resource utilization	Dstillery
7. Social media and sentiment	Twitter sentiment	Twitter

Notes: The sources in the tables have been abbreviated as follows: ACS – American Community Survey (U.S. Census Bureau), ARDA – Association of Religion Data Archives, BEA – Bureau of Economic Analysis, BLS – Bureau of Labor Statistics, Census – U.S. Census Bureau, CBP – County Business Patterns, FCC – Federal Communications Commission, FDIC – Federal Deposit Insurance Corporation, IBRC – Indiana Business Research Center, IPEDS – Integrated Postsecondary Education Data System, NAAL – National Assessment of Adult Literacy, NBIA – National Business Incubation Association, NCCS – National Center for Charitable Statistics, NSF – National Science Foundation, O*NET – Occupational Information Network, PTO – Patent Trademark Office, SCBC – Social Capital Benchmark Study or Saguaro Seminar Study at Harvard University, UCF – Uniform Crime Statistics (U.S. Federal Bureau of Investigation)