

# Hard Data Sources Found for CIRF Research

## ENTREPRENEURSHIP DATASETS

### Global Entrepreneurship Monitor (GEM) - PRIORITY DATASET

- **Coverage:** Adult Population Survey (APS) data from 1998-2017, covering over 100 countries with 1,827,513 individuals in 563 national samples
- **Access:** Available through ICPSR (Inter-university Consortium for Political and Social Research) - DOI: 10.3886/ICPSR20320.v6
- **CIRF Relevance:** Contains entrepreneurship motivations, business characteristics, cultural factors, and community contexts
- **Cultural Component:** Study linking GEM data with GLOBE cultural dimensions across 54 countries, analyzing cultural factors' effects on entrepreneurship

### U.S. Annual Survey of Entrepreneurs (ASE)

- **Coverage:** Employer businesses by sector, gender, ethnicity, race, veteran status, years in business, receipts size
- **Access:** U.S. Census Bureau - Creative Commons CCZero license (public access)
- **CIRF Relevance:** Business ownership demographics and characteristics

### Kauffman Foundation Datasets

- **Coverage:** Kauffman Indicators of Entrepreneurship with 650,000+ observations annually including race, gender, immigrant status, education, industry
- **Access:** Public access through Kauffman Foundation
- **CIRF Relevance:** Detailed entrepreneurship trends and demographic characteristics

## INDIGENOUS ENTREPRENEURSHIP DATA - HIGH PRIORITY

### Statistics Canada Indigenous Business Data

- **Coverage:** 37,000 Indigenous-owned businesses among 2,537,000 Canadian businesses (2018), linked with Census data 2005-2018
- **Access:** Statistics Canada - Tables 33-10-0631-01 and 33-10-0632-01
- **CIRF Relevance:** **PERFECT MATCH** - Indigenous business ownership, community location, economic performance

## **Canadian Council for Aboriginal Business (CCAB) Surveys**

- **Coverage:** Growth from 6,000 Indigenous businesses (1990s) to 43,000 (2016), \$1.4 billion Indigenous tourism GDP contribution
- **Access:** Through CCAB and Conference Board of Canada
- **CIRF Relevance:** Indigenous entrepreneurship trends, community impact, cultural preservation

## **U.S. Indigenous Business Statistics**

- **Coverage:** 26,000+ Indigenous-owned businesses, Federal Reserve 2022 Small Business Credit Survey data
- **Access:** Census Bureau Annual Business Survey (ABS), Federal Reserve Banks data
- **CIRF Relevance:** Business financing, challenges, and performance metrics

## **Indigenous Entrepreneurship Research Database**

- **Coverage:** Supply Nation data (2,291 Indigenous-owned businesses) and survey of 680 non-Indigenous businesses, employment analysis
- **CIRF Relevance:** Comparative analysis of Indigenous vs. non-Indigenous business outcomes

# **CULTURAL TOURISM & HERITAGE DATA - HIGH PRIORITY**

## **Global Heritage Tourism Market Data**

- **Coverage:** Global heritage tourism market size: \$604.38 billion (2024), expected CAGR 4.5% to 2030
- **Access:** Grand View Research, IMARC Group reports
- **CIRF Relevance:** Economic scale and growth trends of cultural tourism

## **UNESCO Cultural Heritage Data**

- **Coverage:** 45 countries' cultural heritage expenditure data (2020-2021), median per capita expenditure \$89.1 PPP
- **Access:** UNESCO Institute of Statistics (UIS) annual survey
- **CIRF Relevance:** Public and private investment in cultural preservation

## **Greek Regional Cultural Heritage Study**

- **Coverage:** Regional economic growth data 2000-2019 with Cultural Heritage (CH) index measuring visitors to historical monuments vs. total tourism
- **CIRF Relevance:** EXCELLENT PROXY - Quantitative measure of cultural heritage's economic impact

## AIANTA Cultural Tourism Statistics

- **Coverage:** \$123.6 billion economic impact of American cultural heritage travelers, 30% of adults influenced by cultural events in destination choice
- **CIRF Relevance:** Direct economic impact measurement of cultural tourism

## HANDICRAFTS & TRADITIONAL CRAFTS DATA - HIGH PRIORITY

### Global Handicrafts Market Analysis

- **Coverage:** Global market \$1,005.5 billion (2022) projected to \$2,317.2 billion (2030), 11% CAGR
- **Access:** Fortune Business Insights, Credence Research
- **CIRF Relevance:** Traditional craft economic scale and growth projections

### India Handicrafts Export Data

- **Coverage:** India's handicraft exports: \$4.35 billion (2021-22), 744 handicraft clusters employing 212,000 artisans producing 35,000+ products
- **Access:** India Brand Equity Foundation
- **CIRF Relevance:** **PERFECT MATCH** - Community clusters, artisan employment, cultural product diversity

### U.S. Handicrafts Market Data

- **Coverage:** \$319.4 billion (2024) growing to \$666.3 billion (2033), 8.09% CAGR
- **CIRF Relevance:** Regional market analysis and artisan cooperative structures

### Pakistan Handicraft Industry Study

- **Coverage:** Case study data on traditional craft preservation challenges, artisan economic conditions, and policy gaps
- **CIRF Relevance:** **EXCELLENT CASE** - Cultural heritage preservation vs. economic development tensions

## COMMUNITY-BASED ENTERPRISES DATA

### Community Enterprise Research Database

- **Coverage:** Empirical study in Odisha, India with structural equation modeling on CBE socioeconomic impact

- **Access:** Academic journals (Taylor & Francis)
- **CIRF Relevance:** **DIRECT MATCH** - Community-based enterprise effectiveness measurement

## **European Community Energy Enterprises**

- **Coverage:** 77 community-based enterprises analysis using configurational analysis of enabling conditions
- **CIRF Relevance:** Local conditions enabling community enterprise impact creation

## **Thailand Community Enterprise Program**

- **Coverage:** Government support program data since 2005 for traditional handicraft and agricultural productions, One Village One Product initiative
- **CIRF Relevance:** Policy intervention effects on traditional craft communities

## **WORLD BANK CULTURAL DEVELOPMENT DATA - HIGH PRIORITY**

### **Cities, Culture, Creativity Report Dataset**

- **Coverage:** Cultural and creative industries revenues \$2.25 trillion (2013) - 3% of global GDP, case studies across Asia, Africa, Latin America
- **Access:** World Bank-UNESCO collaboration report with PDF dataset
- **CIRF Relevance:** **EXCELLENT** - Urban cultural economy, community development case studies

### **World Bank Development Indicators**

- **Coverage:** World Development Indicators database with global development statistics, microdata library
- **Access:** Free and open access at [data.worldbank.org](http://data.worldbank.org)
- **CIRF Relevance:** Background socioeconomic indicators for community analysis

## **COMMUNITY RESILIENCE DATA**

### **U.S. Community Resilience Estimates (CRE)**

- **Coverage:** Social vulnerability metrics for every U.S. neighborhood, equity supplement data combining CRE with American Community Survey
- **Access:** U.S. Census Bureau - public access datasets
- **CIRF Relevance:** **FRAMEWORK MODEL** - Community resilience measurement methodology

### **International Resilience Methodology**

- **Coverage:** Subnational resilience index methodology for low- and middle-income countries based on

## U.S. CRE approach

- **CIRF Relevance:** Adaptable resilience measurement framework for international contexts

# KEY RECOMMENDATIONS FOR IMMEDIATE ACCESS

## Top Priority Datasets (Start Here):

1. **GEM Adult Population Survey (1998-2017)** - Comprehensive entrepreneurship data with cultural factors
2. **Statistics Canada Indigenous Business Data (2005-2018)** - Perfect match for indigenous community enterprises
3. **UNESCO Cultural Heritage Investment Survey** - Direct cultural preservation investment data
4. **India Handicrafts Export Data** - Detailed traditional craft cluster and employment data
5. **World Bank Cities, Culture, Creativity Dataset** - Cultural economy and community development cases

## Secondary Analysis Opportunities:

1. **Cross-Cultural Validation:** Use GEM + GLOBE cultural dimensions data to test CIRF across cultures
2. **Longitudinal Analysis:** Statistics Canada 2005-2018 data for indigenous enterprise evolution
3. **Economic Impact Modeling:** Heritage tourism + handicraft market data for cultural economy scaling
4. **Community Resilience Framework:** Adapt U.S. CRE methodology for cultural community analysis
5. **Policy Impact Studies:** Thailand OTOP program data for government intervention effectiveness

## Data Integration Possibilities:

- **Cultural Tourism + Heritage Investment:** UNESCO expenditure data with tourism market data
- **Indigenous Business + Community Resilience:** Canadian indigenous data with CRE methodology
- **Traditional Crafts + Export Markets:** India cluster data with global handicraft market trends
- **Community Enterprises + Urban Development:** World Bank city cases with community enterprise research

These datasets provide substantial quantitative and qualitative evidence across all your CIRF components, with several offering direct measures of cultural integrity, community control, and economic resilience that are typically difficult to find in secondary data.