Lean Canvas - Global Land Temperature by City

Problem	Customer Segments	Unique Value Proposition
- Lack of city-level analysis of land temperature trends. - Traditional monitoring methods are limited, static, and slow. - Inability to make localized climate adaptation decisions.	- Urban planners and government bodies - Climate researchers and environmentalists - Policy makers and NGOs focused on climate action	- A machine learning model that predicts and visualizes land temperature trends by city. - Supports data-driven decisions for urban climate resilience.

Solution	Channels	Revenue Streams
- Build a predictive ML model using Extra Trees or LSTM. - Analyze historical temperature data by city. - Visualize trends through dashboards and alerts.	- Web dashboards and APIs - Government and academic collaborations - Open datasets and research portals	- Grants and research funding - Subscription for dashboard/API access (Govt, institutions) - Collaborations with smart city initiatives

Cost Structure	Key Metrics	Unfair Advantage
- Data acquisition and storage - Cloud infrastructure and computation (IBM Cloud) - Model development and continuous updates	- Model accuracy (RMSE, R^2) - Number of cities analyzed - User adoption and feedback	- Use of robust datasets and real-time data integration - Custom city-wise insights not available in general models - Scalable architecture using IBM Watson Studio and Cloud