

*Innovation in China: Estimating the Effectiveness of China's Science and Technology Industrial Parks*

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**Data Description:**

This data set includes information on patent applications from 1985 to 2010 from China's State Intellectual Property Office (SIPO). Provincial-level data used for controls in the analysis come from China's Provincial Yearbooks and are obtained from the China Data Online website. SIPO only divides domestic patents by provinces, thus precluding the option of including foreign patents in the analysis. Applications for patents are used instead of granted patents in order to eliminate bias in the patent approval process. This is a limitation of the data as some patent applications may be duplicates of already existing patents. The following variables are included:

variable name	storage type	display format	value label	variable label
id	byte	%8.0g		Unique Provincial ID Number
year	int	%8.0g		Year (1985-2010)
province	str14	%14s		Province Name
numpark	byte	%8.0g		Number of STI Parks
patent_tot	float	%9.0g		Total Number of Patents
patent_inv	int	%8.0g		Total Number of Invention Patents
patent_mod	long	%8.0g		Total Number of Patents Unit Model
patent_des	long	%8.0g		Total Number of Patents Design
patent_univ	int	%8.0g		Total Number of Patents University
patent_res	int	%8.0g		Total Number of Patents Research Institute
patent_ent	long	%8.0g		Total Number of Patents Enterprise
patent_ji	int	%8.0g		Total Number of Patents State
patent_ind	float	%9.0g		Total Number of Patents Individual
prof_pr	float	%8.0g		Number of Professors (10,000 persons)
empl_pr	float	%8.0g		Total Employment (10,000 persons)
output_pr	float	%8.0g		Gross Industrial Output Value (100 million RMB))
region	str6	%9s		Region: Middle, East or West
region2	str9	%9s		Region broken down into 7 regions: Yangtze, Pearl, Bohai, NW, NE, Central, Tibet