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## Happiness in the Air: How Does a Dirty Sky Affect Mental Health and Subjective Well-being?\*

Xin Zhang, Xiaobo Zhang, Xi Chen

### **Xin Zhang**

National School of Development, Peking University  
E-mail: xin.zhang614@pku.edu.cn

### **Xiaobo Zhang**

National School of Development, Peking University  
International Food Policy Research Institute  
E-mail: x.zhang@nsd.edu.cn

### **Xi Chen (corresponding author)**

Department of Health Policy and Management  
Department of Economics  
Yale University  
New Haven, CT 06520  
E-mail: xi.chen@yale.edu

### **Abstract**

Previous studies evaluating the welfare cost of air pollution have not paid much attention to its potential effect on mental health and subjective well-being (SWB). This paper attempts to fill the gap by investigating the impact of air pollution on several key dimensions, including mental health status, depressive symptoms, moment-to-moment happiness, and evaluative happiness. We match a nationwide longitudinal survey in China with local air quality and rich weather conditions according to the exact time and place of survey. By making use of variations in exposure to air pollution for the same individuals over time, we show that air

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