

Supplementary Materials:

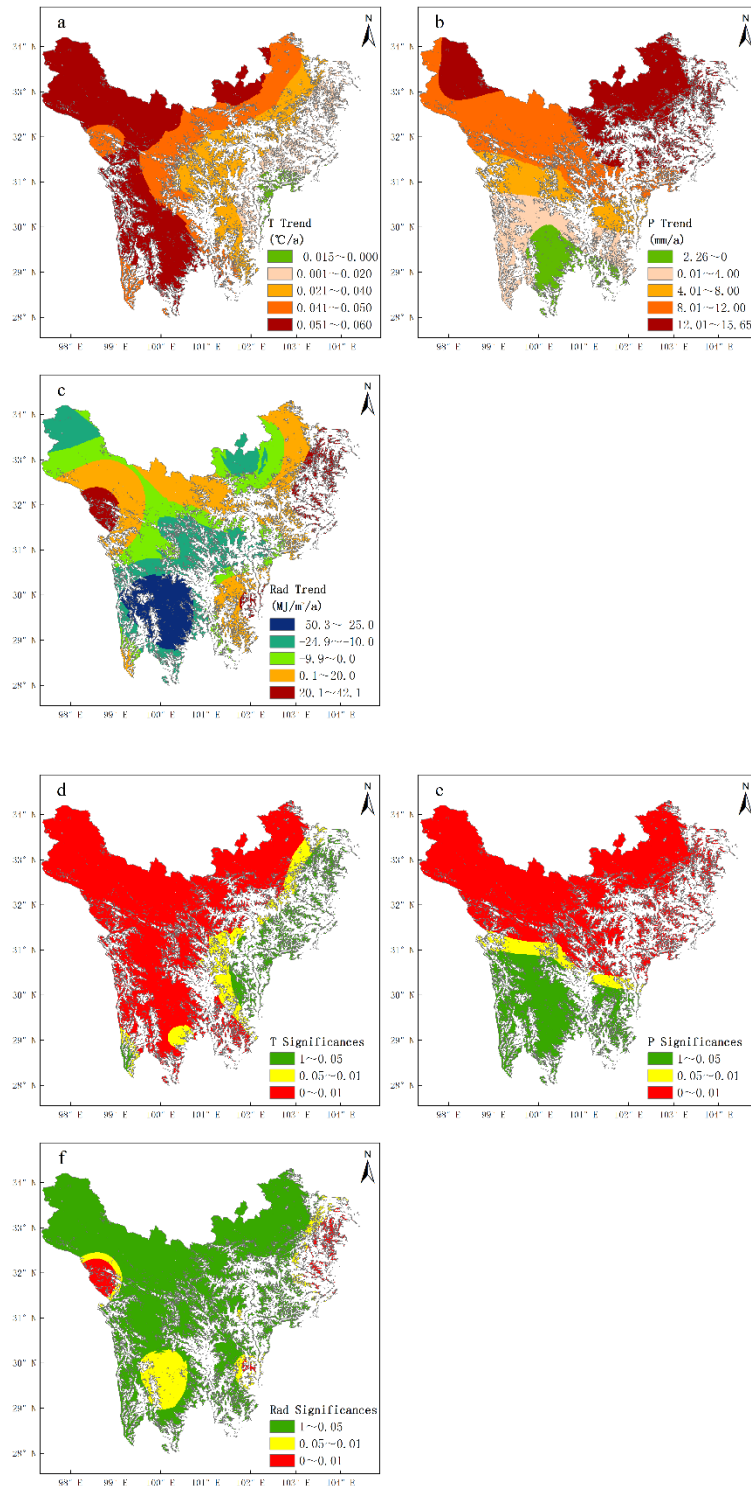


Figure S1. Spatial distributions of the variation trends and the corresponding significances of (a, d) annual mean temperature, (b, e) annual precipitation, and (c, f) annual solar radiation in the NWSP during 2001–2020.

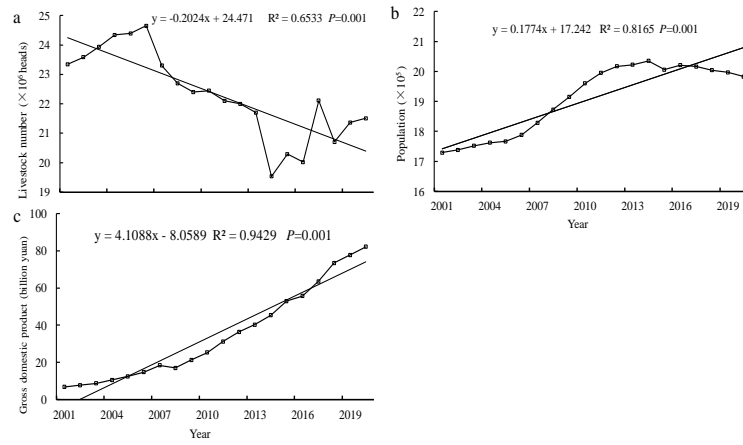


Figure S2. Inter-annual variations of (a) total livestock number, (b) total population and (c) gross domestic product in the NWSP during 2001–2020.