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Il Presente E LAvvenire Della Provincia Di Capitanata, Per LAVv

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RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 20 pages. Original publisher: Reston, Va. : U. S. Geological Survey, 2009. OCLC Number: (OCoLC)494136458 Subject: Earthquakes -- Information services. Excerpt: . . . engineering results in regions where these data are available but still to calculate loss estimates in regions where little is known about the distribution and vulnerability of the built infrastructure. The empirical method uses reported losses from previous earthquakes to develop fatality-ratio functions (regional relations between ground-shaking intensity and fatalities). Following future earthquakes, these fatality-ratio functions will be combined with estimates of the population exposure at different intensity levels to provide fatality estimates. The methodology is most robust in regions that have experienced several large historic earthquakes and have well-documented fatality data. It is applicable to any regionalization with sufficient a priori constraints. PAGERs initial empirical models primarily use a country-based regionalization. Countries lacking historical data are assigned fatality-ratio functions derived for countries with similarly built environments. The semi-empirical and analytical loss models rely on a country-based building inventory (Jaiswal and Wald, 2008) and building vulnerabilities developed for use by PAGER. The key distinction between the semi-empirical and analytical methods...



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