García G., María J.; Hernández R., José G.; Hernández G., Gilberto J.
The decreasing digits and the A, B, C model: a proposal for handling populations in shelters.
(Spanish. English summary) [Zbl 1307.91148]

Summary: Happened a catastrophe, some one of the impacted population should their move from its homes, toward refuges or shelters. To guarantee the essential services in the shelter, it is necessary to know the population size that remain in it, knowing that it will be a random number and that it responds mainly to rate the arrival and departure people. Since the arrivals and exits can be visualized as birth and dead process, it has been planned to emulate this situation making use of the sequences that are derived of two very simple concepts: The Decreasing digits (Dd) and the A, B, C model. The contribution of this work is their objective: To show like one can make use of the derived expressions of the A, B, C model and the decreasing digits, to obtain a population estimation that remains in a shelter, as consequence of a catastrophe.

MSC:
91B99  Mathematical economics
90B05  Inventory, storage, reservoirs

Keywords:
decreasing digits; A, B, C model; social problems; shelters

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