The Management Challenge

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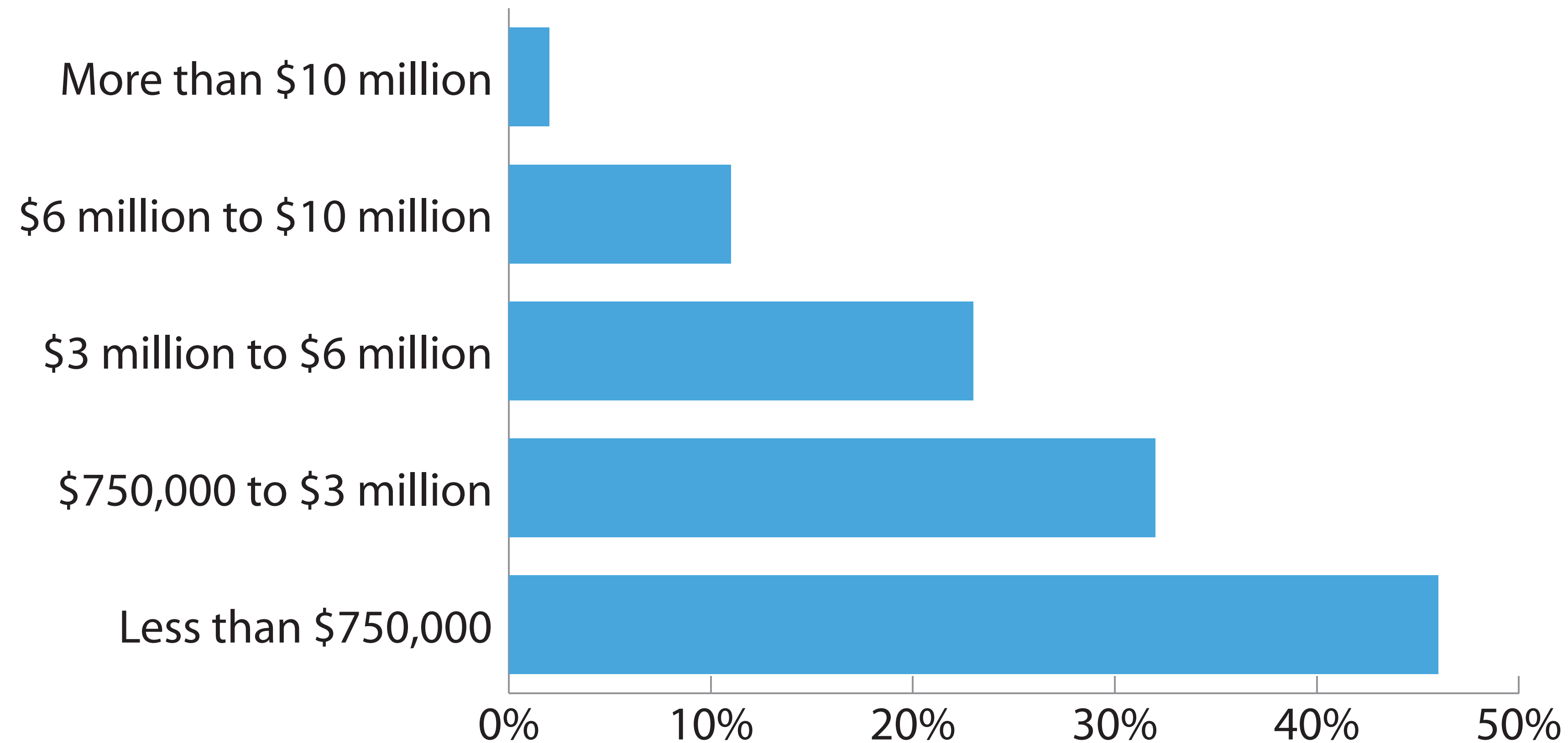
Do We Need Management?

- Large teams need managers
    - *a manager coordinates the energies of the team*

- Managing a software project is difficult
    - *partly because software engineering is a young field*

- Large software projects
    - *are 1 year late (on average)*
    - *are 100% over budget (on average)*

Success Rate of Software Projects

Year	Successful (%)	Challenged (%)	Failed (%)
1994	16	53	31
1996	27	33	40
1998	26	46	28
2000	28	49	23
2004	29	53	18
2006	35	46	19
2009	32	44	24

From *The CHAOS Reports*, The Standish Group International, 1994 - 2009

Project Success Rate As A Function of Budget