N. H. (Nick) Bingham has been a central figure in probability theory and related areas for a half century, and this Festschrift celebrates his 70th birthday in 2015. A bibliography of his over 250 publications to date is followed by an autobiographical and historical essay by Nick, depicting the development of his subject since 1965, and his place within it. There follow 17 refereed original papers from a total of 38 international authors, concentrating on the themes of the title and honouring Nick’s contribution to them.