ᐊᕙᑎᓕᕆᔨᑦ ᑲᓇᑕᒥ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᐅᓂᒃᑳᖏᑦ

ᐆᒪᔪᓂᖏᑦ ᐊᒻᒪᓗ ᐱᑕᖃᕐᑐᓂᒃ ᕿᒥᒐᕈᒍᑏᑦ ᓇᓄᕐᓂᒃ ᐱᖓᓐᓇᖓᓂ ᑭᕙᓪᓕᐅᑉ ᑕᓯᐅᔭᕐᔪᐊᖓᓂ, ᑲᓇᑕᒥ

ᓅᕕᒻᐱᕆ 26, 2013

ᑎᑎᕋᕐᓂᑯᒃ: ᓂᑯᓚᔅ J. ᓚᓐ, ᐃᐅᕆᒃ V. ᓈᒡᒍᕐ, ᓴᐳᓈᓇ ᓱᕐᕙᓐᑎ, ᓯᐊᕋ ᑳᓐᕕᐅᕐᔅ, ᐃᕙᓐ ᓇᑦᓯᕐᓴᓐ, ᐃᐊᓐ ᓯᑑᕐᓕᖕ

ᓇᐃᓈᕈᑏᑦ

- ᕿᒥᒐᕈᓚᐅᕐᑕᕗᑦ ᐱᑕᖃᕐᑐᑦ ᖃᓄᐃᓕᕐᓂᖏᑦ ᐊᒻᒪᓗ ᐆᒪᔪᓂᖏᑦ ᐱᖓᓐᓇᖓᓂ ᑭᕙᓪᓕᐅᑉ ᑕᓯᐅᔭᕐᔪᐊᖓᑕ ᓇᓄᐃᑦ ᓇᓪᓕᐅᓯᒪᔪᒥᒃ 1984-2011, ᐊᑐᕐᑐᒋᑦ ᐃᓅᑎᓪᓗᒋᑦ-ᐱᔭᐅᒃᑲᓂᕐᑐᓂᒃ ᓈᓴᐃᒍᑏᑦ ᖃᐅᔨᓴᕐᓂᕐᓂᒃ ᐊᒻᒪᓗ ᐊᐅᓚᕐᓯᓂᕐᒧᑦ ᑲᒪᒋᔭᓂᒃ, ᐊᒻᒪᓗ ᑐᕐᑯᖓᔪᑦ-ᐱᔭᐅᓂᖏᓐᓄᑦ ᓈᓴᐅᑏᑦ ᓂᕿᓯᓴᓇᓪᓗᒋᑦ ᐊᖑᓇᓱᒃᑕᑦ ᓄᓇᕗᑦᒥ.

- ᐊᑐᓚᐅᕐᑐᒍᑦ Bayesian ᐊᑐᓕᕐᑎᑕᐅᓂᖏᓐᓂᒃ ᐊᒥᓱᓂᒃ ᐱᔭᑦ-ᐱᔭᐅᒃᑲᓂᕐᑐᑦ ᐆᑦᑐᕋᐅᑎᓂᒃ, ᐃᓚᖃᕐᑐᒋᑦ ᐋᕿᒋᐊᕈᑎᓂᒃ-ᑐᙵᕕᖃᕐᑐᑦ ᐆᒪᔪᓂᖏᓐᓂᒃ ᒥᒃᓴᐅᓴᒃᑐᓂ ᐆᑦᑐᕋᐅᑏᑦ, ᑲᑎᑦᑐᒋᑦ ᐊᒥᓱᓄᑦ ᐊᔾᔨᒌᙱᑦᑐᓄᑦ ᓈᓴᐅᑎᓄᑦ ᐊᒻᒪᓗ ᐃᓚᒋᓕᐅᑎᓪᓗᒋᑦ ᐊᔾᔨᒌᙱᒍᑏᑦ ᓇᓄᐃᑦ ᐃᓅᓯᖏᓐᓂ. ᑕᒪᓐᓇ ᑲᒪᒍᓯᐅᔪᖅ ᐊᔪᙱᒍᑕᐅᓚᐅᕐᑐᖅ ᒥᒃᓴᐅᓴᓐᓂᕐᒥᒃ ᐊᒥᓱᓂᒃ ᐊᑐᓗᐊᕐᑐᓂᒃ, ᐃᓚᐅᓪᓗᑎᒃ ᑕᒪᒃᑮᑦ ᐃᓅᒍᓐᓇᕐᓂᖏᑦ ᐊᒻᒪᓗ ᕿᑐᕐᖏᐅᕐᓂᖏᑦ, ᐊᑕᐅᓯᕐᒥᒃ ᐋᕿᑦᓯᐃᒍᒻᒥᒃ ᐊᑕᔪᖅ ᒪᑐᒧᖓ ᒥᒃᓴᐅᓐᓂᕐ ᐅᓪᓗᒥ ᐊᒻᒪᓗ ᐃᓱᒪᒋᔭᖃᕐᓂᖅ ᓯᕗᓂᑦᑎᓐᓂ ᐱᑕᖃᕐᑐᑦ ᐊᓯᔾᔨᕐᑕᕈᑎᖏᓐᓂᒃ.

- ᐊᒥᓱᑦ ᐊᕐᓇᕐᓗᐃᑦ ᓇᓄᐃᑦ ᐊᒃᑦᒍᕐᑲᑎᒌᙱᑦᑐᑦ ᐊᑕᓕᕐᑎᑕᐅᓚᐅᕐᐳᑦ ᓯᑯᐃᑦ ᖃᓄᐃᓐᓂᖏᓐᓄᑦ, ᐃᓄᐃᓴᓐᓂᕐᓴᐅᓪᓗᑎᒃ ᐃᓅᒍᓐᓇᕐᓂᖏᑦ ᐊᒃᑦᒍᓂ ᓯᑯᐃᓴᕐᕋᐃᑦᑐᓂ. ᐃᓛᒃ ᑕᒪᓐᓇ ᐃᑲᔪᕐᑑᒐᓗᐊᖅ ᓯᕗᓪᓕᕐᓂᒃ ᖃᐅᔨᔭᓂᒃ ᐊᑕᓕᕐᑎᑦᑐᒋᑦ ᑎᒥᖏᑕ ᖃᓄᐃᓐᓂᖏᑦ, ᕿᑐᕐᖏᐅᕐᓂᖏᑦ, ᐊᒻᒪᓗ ᖃᓄᐃᓐᓂᖏᑦ ᐱᖓᓐᓇᖓᓂ ᑭᕙᓪᓕᐅᑉ ᑕᓯᐅᔭᕐᔪᐊᖓᑕ ᓇᓄᐃᑦ ᐊᕙᑖᑕ ᐊᓯᔾᔨᕐᓂᖓᓄᑦ ᐊᑕᔪᑦ ᓯᓚᐅᑉ ᐆᑦᑰᓯᕙᓪᓕᐊᓂᖓᓄᑦ, ᐊᓯᖏᑦ ᕿᑐᕐᖏᐅᕐᑐᑎᒃ ᑭᓪᓕᖏᑦ ᐊᑕᓕᕐᑎᑕᐅᓚᐅᙱᑦᑐᑦ ᐊᓯᔾᔨᕐᓂᖓᓄᑦ ᐊᕙᑖᑕ ᐊᔾᔨᒌᙱᓐᓂᖏᓐᓄᑦ ᖃᐅᔨᓴᓚᐅᕐᑕᑎᓐᓄᑦ.

- ᐃᓅᒍᓐᓇᕐᓂᖏᑦ ᐊᖑᓴᓪᓗᐃᑦ ᓇᓄᐃᑦ ᐊᒃᑦᒍᕐᑲᑎᒌᙱᑦᑐᑦ ᐊᑕᓕᕐᑎᑕᐅᓚᐅᙱᑦᑐᑦ ᓯᑯᐃᑦ ᖃᓄᐃᓐᓂᖏᓐᓄᑦ, ᐱᔾᔪᑕᐅᔪᓴᐅᓪᓗᓂ ᖃᓪᓖᓯᒪᓂᖓ ᐊᑦᑐᐃᔪᑦ ᑐᕐᑯᕋᕐᓂᖏᓐᓂᒃ ᐊᖑᓴᓪᓗᓐᓂᒃ ᐱᓂᕐᓴᐅᒐᓯᐊᕐᑐᓂ ᓂᕿᓯᓴᓂᒃ ᐊᖑᓇᓱᓐᓃᑦ ᓇᓄᕐᓂᒃ ᓄᓇᕗᑦᒥ.

- 2011ᒥ ᐱᑕᖃᕐᑐᓂᒃ ᒥᒃᓴᐅᓴᒍᑏᑦ ᐱᖓᓐᓇᖓᓂ ᑭᕙᓪᓕᐅᑉ ᑕᓯᐅᔭᕐᔪᐊᖓᑕ ᓇᓄᐃᑦ ᑐᙵᕕᖃᕐᑐᑦ ᐱᔭᓂᒃ-ᐱᔭᐅᒃᑲᓂᕐᑐᓂᒃ ᖃᐅᔨᓴᕐᑐᒋᑦ ᐃᒪᐃᑦᑐᑦ 806 ᓇᓄᐃᑦ ᐱᑕᖃᕐᑐᓂ 95% ᓇᓗᙱᒍᒻᒥᒃ ᐊᑯᓐᓂᖓᓃᑦᑐᑦ 653-984. ᑖᓐᓇ ᓯᐊᒻᒪᕐᓯᒪᔪᒥᒃ ᐊᔾᔨᑐᐃᓐᓇᖓ ᐱᑕᖃᕐᑐᓂᒃ ᒥᒃᓴᐅᓴᒍᑏᑦ ᐃᒫᑎᒋ 1,000 (95% ᓇᓗᙱᒍᑏᑦ = 715-1398) ᐊᓚᒃᑲᕐᑐᑦ 2011ᒥ ᖃᖓᑕᔫᒃᑯᑦ ᓈᓴᐃᓂᕐᒥᒃ. ᐱᔭᑦ-ᐱᔭᐅᒃᑲᓂᕐᑐᑦ ᖃᐅᔨᓴᕐᓂᕐᒥᒃ ᒥᒃᓴᐅᓴᒍᑏᑦ ᐃᓄᐃᓴᓐᓂᕐᓴᒐᓛᒃ ᐅᑯᓇᙱᑦ ᖃᖓᑕᔫᒃᑯᑦ ᓈᓴᐅᓪᓗᓂ ᒥᒃᓴᐅᓴᑦᑕᓂᒃ, ᐱᔾᔪᑕᐅᓗᐊᕐᑐᓴᐅᔪᖅ ᐊᔾᔨᒌᙱᓐᓂᖏᑦ ᐊᖏᓂᖏᑕ ᐊᑐᕐᓂᓕᒻᒥᒃ ᖃᐅᔨᓴᕐᓂᖅ ᐱᑕᖃᕐᑐᓂᒃ ᐃᓱᒪᒋᔭᑦ ᐊᑐᓂᑦ ᑲᒪᒍᓯᐅᔪᓂ.

- ᓇᒥᓕᒫᖅ ᐃᓄᐃᓴᓪᓕᓯᒪᓂᖏᑦ ᖃᓄᐃᓪᓗᐊᕐᓂᖏᑕ ᐱᖓᓐᓇᖓᓂ ᑭᕙᓪᓕᐅᑉ ᑕᓯᐅᔭᕐᔪᐊᖓᓂ ᓇᓄᐃᑦ ᐊᑯᓂᐅᓂᓕᒻᒥᒃ 1984-2004 ᐊᔾᔨᒋᒐᓚᓚᐅᕐᑕᖓ ᓯᕗᓪᓕᕐᒥᒃ ᐆᒪᔪᓂᖏᓐᓂᒃ ᕿᒥᒐᕈᒍᑕᐅᔪᑦ. ᑭᓯᐊᓂ, ᐱᒋᐊᕈᑏᑦ ᒥᒃᓴᐅᓴᒍᑏᑦ ᐊᔾᔨᒌᙱᒐᓛᑦᑐᑦ, ᐃᓄᐃᓴᓐᓂᕐᓴᒐᓛᖑᓪᓗᑎᒃ ᓱᓕᔪᒥᒃ ᐊᑑᑎᖃᕐᓂᖏᑦ ᒥᒃᓴᐅᓴᒍᑏᑦ ᐊᑐᕐᑕᑦ ᓄᑖᙱᒍᓇᐊᕐᑐᒋᑦ ᓈᓴᐅᑎᑎᒍᑦ ᑲᒪᒋᔭᑦ.

- ᐅᑯᐊ ᓄᑖᙵᒍᕆᐊᕈᑏᑦ ᐱᑕᖃᕐᑐᓂᒃ ᕿᒥᒃᕈᓂᕐᒥᒃ ᓇᓗᓇᐃᕐᓯᔪᑦ ᓇᓄᐃᑦ ᖃᑦᓯᐅᓂᖏᑦ ᐱᖓᓐᓇᖓᓂ ᑭᕙᓪᓕᐅᑉ ᑕᓯᐅᔭᕐᔪᐊᖓᓂ ᓱᒡᕋᓯᒪᓪᓗᐊᖏᑦᑐᑦ ᐃᒫᓪᓗᐊᒐᓚᑦ ᖁᓕᓂᒃ ᐊᒡᕋᒍᓂᒃ. ᐊᕐᓇᕐᓗᐃᑦ ᐃᓅᒍᓐᓇᕐᓂᖏᑦ ᐱᒻᒪᕆᐅᓂᕐᐹᑦ ᖃᐅᔨᒐᓱᐊᕐᑐᒋᑦ ᐱᖓᓐᓇᖓᓂ ᑭᕙᓪᓕᐅᑉ ᑕᓯᐅᔭᕐᔪᐊᖓᑕ ᐱᑕᖃᕐᑐᑦ ᐊᒥᓱᕈᕐᐸᓪᓕᐊᓂᖏᑦ, ᐊᒻᒪᓗ ᐊᒥᓱᕈᕐᐸᓪᓕᐊᓂᖏᑕ ᐊᑯᓚᐃᓐᓂᖏᑦ ᐊᕐᓇᕐᓗᐃᑦ ᐱᑕᖃᕐᑐᓂ ᒥᒃᓴᐅᓴᒃᑕᐅᓚᐅᕐᑐᑦ ᓱᒡᕋᓯᒪᙱᒋᐊᖏᑦ ᑕᒫᓂ 1991-2011 (ᓛᒻᑕ =1.02; 95%CI = 0.98-1.06).

- ᑕᐃᒪᓕ ᒥᒃᓴᐅᓴᒍᑏᑦ ᐊᕐᓇᕐᓗᐃᑦ ᐊᒥᓱᕈᕐᐸᓪᓕᐊᓂᖏᓐᓂᒃ ᐱᔭᐅᓚᐅᕐᒪᑕ ᐃᓅᒍᓐᓇᕐᓂᖏᓐᓂᒃ ᐊᒻᒪᓗ ᕿᑐᕐᖏᐅᕐᓂᖏᑕ ᐊᑯᓚᐃᓐᓂᖏᓐᓂᒃ, ᑖᒃᑯᐊ ᐱᐅᓂᕐᓴᐃᑦ ᐱᒋᐊᕈᑕᐅᓪᓗᑎᒃ ᒥᒃᓴᐅᓴᒍᑎᓄᑦ ᐱᑕᖃᕐᑐᑦ ᖃᓄᐃᓪᓗᐊᕐᒪᖔᑕ, ᑖᓐᓇ ᐊᑐᕐᓂᖓ ᐊᓚᒃᑲᕈᑕᐅᕙᓪᓚᐃᔪᖅ ᓱᓕᔪᕐᓇᕐᑐᓄᑦ ᓇᓗᓇᐃᕐᓯᒍᑎᓄᑦ ᒫᓐᓇᕈᓗᒃ ᐱᑕᖃᕐᑐᑦ ᐊᓯᔾᔨᑕᕐᓂᖏᓐᓄᑦ.