

Bronze Age Latvia normal distribution and Kivutkalns sequence

Plot()

{

Label("Bronze and Earliest Iron Age burial");

Sequence(Pukuļi barrow cemetery, SW Latvia)

{

Sigma_Boundary(Start);

Phase()

{

R_Date("Poz-80631", 3230, 35);

R_Date("Poz-80328", 3225, 30);

R_Date("Poz-77309", 3130, 35);

R_Date("Poz-80329", 3190, 30);

R_Date("Poz-80327", 3145, 30);

R_Date("Poz-80630", 3125, 35);

R_Date("Poz-80897", 2930, 30);

};

Sigma_Boundary(End);

};

};

Sequence(Reznas barrow cemetery, Central Latvia - Daugava basin)

{

Sigma_Boundary(Start);

Phase()

{

R_Date("Poz-101317", 2900, 40);

R_Date("Poz-111834", 2935, 35);

R_Date("Poz-111895", 2935, 30);

```
R_Date("Poz-111833", 2905, 35);  
R_Date("Poz-101194", 2885, 30);  
R_Date("Poz-111831", 2835, 35);  
R_Date("Poz-112721", 2795, 30);  
R_Date("Poz-101193", 2555, 30);  
R_Date("Poz-101195", 2535, 30);  
R_Date("Hela-3555", 2662, 31);  
};
```

```
Sigma_Boundary(End);
```

```
};
```

```
Sequence(Vējstūri barrow, Central Latvia - Daugava basin)
```

```
{
```

```
Sigma_Boundary(Start);
```

```
Phase()
```

```
{
```

```
R_Date("Poz-112722", 2965, 50);
```

```
};
```

```
Sigma_Boundary(End);
```

```
};
```

```
Sequence(Raganukalns flat cemetery, Central Latvia - Daugava basin)
```

```
{
```

```
Sigma_Boundary(Start);
```

```
Phase()
```

```
{
```

```
R_Date("Poz-77308", 2945, 30);
```

```
};
```

```
Sigma_Boundary(End);
```

```
};
```

```
Sequence(Kalnieši barrow cemetery, Central Latvia - Daugava basin)
```

```
{
Sigma_Boundary(Start);
Phase()
{
R_Date("Hela-3556", 2901, 31);
};
Sigma_Boundary(End);
};
Sequence(Dārznieki barrow, SW Latvia)
{
Sigma_Boundary(Start);
Phase()
{
R_Date("Hela-0", 2758, 27);
};
Sigma_Boundary(End);
};
Sequence(Puntūzis barrow cemetery, E Latvia)
{
Sigma_Boundary(Start);
Phase()
{
R_Date("Hela-3826", 2585, 29);
};
Sigma_Boundary(End);
};
Sequence(Bašķi barrow cemetery, SW Latvia)
{
Sigma_Boundary(Start);
```

```
Phase()
{
  R_Date("Hela-3851", 2617, 20);
  R_Date("Hela-3846", 2531, 21);
};
Sigma_Boundary(End);
};
Sequence(Ziedoņskola flat cemetery, Central Latvia - Lielupe basin)
{
  Sigma_Boundary(Start);
  Phase()
  {
    R_Date("Hela-3848", 2538, 20);
    R_Date("Poz-80634", 2515, 35);
    R_Date("Hela-3852", 2527, 21);
    R_Date("Hela-3847", 2350, 21);
    R_Date("Hela-3849", 2448, 21);
    R_Date("Hela-3853", 2429, 21);
  };
  Sigma_Boundary(End);
};
Sequence(Buļļumuiža barrow cemetery, NE Latvia)
{
  Sigma_Boundary(Start);
  Phase()
  {
    R_Date("Poz-80633", 2725, 31);
    R_Date("Poz-80903", 2495, 31);
    R_Date("Hela-3828", 2447, 31);
```

```
R_Date("Hela-3827", 2430, 31);
};
Sigma_Boundary(End);
};
Sequence(Kivutkalns)
{
Sigma_Boundary(Start);
Phase()
{
R_Date("Poz-111908", 2535, 35);
R_Date("Poz-111899", 2510, 35);
R_Date("Poz-111911", 2505, 35);
R_Date("Hela-3424", 2515, 52);
R_Date("Hela-3421", 2448, 54);
R_Date("Hela-3422", 2346, 44);
R_Date("Hela-3420", 2316, 53);
R_Date("Hela-3423", 2308, 42);
};
Sigma_Boundary(End);
};
Sequence(Lazdiņi stone grave cemetery, NW Latvia)
{
Sigma_Boundary(Start);
Phase()
{
R_Date("Poz-77310", 2105, 30);
R_Date("Poz-111897", 1780, 30);
};
Sigma_Boundary(End);
```

```
};  
Sequence("Kivutkalns cemetery and hillfort")  
{  
  Sequence()  
  {  
    Boundary("Start 1");  
    Sequence("Cemetery")  
    {  
      R_Date("Poz-111908", 2535, 35);  
      R_Date("Poz-111899", 2510, 35);  
      R_Date("Poz-111911", 2505, 35);  
      R_Date("Hela-3424", 2515, 52);  
      R_Date("Hela-3421", 2448, 54);  
      R_Date("Hela-3422", 2346, 44);  
      R_Date("Hela-3420", 2316, 53);  
      R_Date("Hela-3423", 2308, 42);  
    };  
    Boundary("End 1");  
    Boundary("Start 2");  
    Sequence("Hillfort")  
    {  
      R_Date("TA-438", 2600, 50);  
      R_Date("Hela-2675", 2576, 29);  
      R_Date("Hela-2673", 2543, 27);  
      R_Date("Hela-2674", 2532, 27);  
      R_Date("TA-437", 2500, 70);  
      R_Date("Ri-220", 2482, 150);  
      R_Date("LE-2030", 2280, 40);  
      R_Date("LE-2031", 1920, 40);  
    }  
  }  
}
```

```
};  
Boundary("End 2");  
};  
};
```

Bronze Age burials in Latvia: chronological map

```
Plot(){
```

```
R_Date("Poz-80631",3230,35){longitude=21.383383;latitude=56.453386;color="blue";};  
R_Date("Poz-80328",3225,30){longitude=21.383383;latitude=56.453386;color="blue";};  
R_Date("Poz-77309",3130,35){longitude=21.383383;latitude=56.453386;color="blue";};  
R_Date("Poz-80329",3190,30){longitude=21.383383;latitude=56.453386;color="blue";};  
R_Date("Poz-80327",3145,30){longitude=21.383383;latitude=56.453386;color="blue";};  
R_Date("Poz-80630",3125,35){longitude=21.383383;latitude=56.453386;color="blue";};  
R_Date("Poz-80897",2930,30){longitude=21.383383;latitude=56.453386;color="blue";};  
R_Date("Poz-101317",2900,40){longitude=24.369887;latitude=56.841027;color="blue";};  
R_Date("Poz-111834",2935,35){longitude=24.369887;latitude=56.841027;color="blue";};  
R_Date("Poz-111895",2935,30){longitude=24.369887;latitude=56.841027;color="blue";};  
R_Date("Poz-111833",2905,35){longitude=24.369887;latitude=56.841027;color="blue";};  
R_Date("Poz-101194",2885,30){longitude=24.369887;latitude=56.841027;color="blue";};  
R_Date("Poz-111831",2835,35){longitude=24.369887;latitude=56.841027;color="blue";};  
R_Date("Poz-112721",2795,30){longitude=24.369887;latitude=56.841027;color="blue";};  
R_Date("Poz-101193",2555,30){longitude=24.369887;latitude=56.841027;color="blue";};  
R_Date("Poz-101195",2535,30){longitude=24.369887;latitude=56.841027;color="blue";};  
R_Date("Hela-3555",2662,31){longitude=24.369887;latitude=56.841027;color="blue";};  
R_Date("Poz-112722",2965,50){longitude=24.329580;latitude=56.847142;color="blue";};
```

```
R_Date("Poz-77308",2945,30){longitude=25.819859;latitude=56.500299;color="blue";};
R_Date("Hela-3556",2901,31){longitude=25.602276;latitude=56.587292,708;color="blue";};
R_Date("Hela-0",2758,27){longitude=21.346314;latitude=56.721687;color="blue";};
R_Date("Hela-3826",2585,29){longitude=26.518471;latitude=56.988199;color="blue";};
R_Date("Hela-3851",2617,20){longitude=21.234718;latitude=56.130229;color="blue";};
R_Date("Hela-3846",2531,21){longitude=21.234718;latitude=56.130229;color="blue";};
R_Date("Hela-3848",2538,20){longitude=24.104444;latitude=56.412778;color="blue";};
R_Date("Poz-80634",2515,35){longitude=24.104444;latitude=56.412778;color="blue";};
R_Date("Hela-3852",2527,21){longitude=24.104444;latitude=56.412778;color="blue";};
R_Date("Hela-3847",2350,21){longitude=24.104444;latitude=56.412778;color="blue";};
R_Date("Hela-3849",2448,21){longitude=24.104444;latitude=56.412778;color="blue";};
R_Date("Hela-3853",2429,21){longitude=24.104444;latitude=56.412778;color="blue";};
R_Date("Poz-80633",2725,35){longitude=24.741020;latitude=57.452363;color="blue";};
R_Date("Poz-80903",2495,35){longitude=24.741020;latitude=57.452363;color="blue";};
R_Date("Hela-3828",2447,33){longitude=24.741020;latitude=57.452363;color="blue";};
R_Date("Hela-3827",2430,32){longitude=24.741020;latitude=57.452363;color="blue";};
R_Date("Poz-111908",2535,35){longitude=24.275308;latitude=56.848082;color="blue";};
R_Date("Poz-111899",2510,35){longitude=24.275308;latitude=56.848082;color="blue";};
R_Date("Poz-111911",2505,35){longitude=24.275308;latitude=56.848082;color="blue";};
R_Date("Hela-3424",2515,52){longitude=24.275308;latitude=56.848082;color="blue";};
R_Date("Hela-3421",2448,54){longitude=24.275308;latitude=56.848082;color="blue";};
R_Date("Hela-3422",2346,44){longitude=24.275308;latitude=56.848082;color="blue";};
R_Date("Hela-3420",2316,53){longitude=24.275308;latitude=56.848082;color="blue";};
R_Date("Hela-3423",2308,42){longitude=24.275308;latitude=56.848082;color="blue";};
R_Date("Poz-77310",2105,30){longitude=22.637808;latitude=57.310660;color="blue";};
R_Date("Poz-111897",1780,30){longitude=22.637808;latitude=57.310660;color="blue";};

};
```