for min\_samples in [3, 4, 5, 6, 7]: #もともとは5

        for rate in [0.8, 0.9, 1]:

            for k in [5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15]:

                t1 = time.time()

                tmp\_res = []

                for jpg\_path, xml\_path, class\_name, prob in ok\_files\_name:

                    output\_path = "reslut\_pet\_dataset/exp1/dbscan\_and\_kmeans/300/take4/" + jpg\_path[12:]

                    values, p, pred, masks, base\_img, masked\_img, mapped\_array = exp.calc\_prob\_save\_img\_by\_dbscan\_and\_kmeans(input\_path=jpg\_path, output\_path=output\_path, border=300, eps=15, min\_samples=5, k=k, value\_border=(1 / k) \* rate, save=False)

                    exp1\_values = exp1.cal\_val\_from\_mappedarray(mapped\_array=mapped\_array, xml\_path = xml\_path)

                    exp1\_values.append(jpg\_path[12:])

                    tmp\_res.append(exp1\_values)

                t2 = time.time()

                td = t2 - t1

                key = (min\_samples, rate, k)

                exp1\_res[key] = tmp\_res

                tds[key] = td

                print((key))