

# Visualization Project



Bara Kozlikova, Lujan Ganuza, Palko Ulbrich



## BRNO BEE DATASET

We have 3 beehives (Muf, M01, M05), two directly from Brno (M as Mendel Uni), one from the countryside (Muf as Muf). We listened the bees, analysed the sound and calculated features from the half second samples (bandwidth, bandwidthLow, bandwidthHigh, peakFrequency, spectralCentroid, rootVarianceFrequency). The records start in our winter and they go until today.

**Task:** find out what is going on with the bees, because there is a high chance that one of those bee hives is infected with varroa parasite. You can tell us difference between city bees and nature bees, or just point out the things they have in common. Or come with something new that would blow our minds.

You can use just this dataset, or add some additional knowledge (weather, pollution in Brno, season change, political situation, whatever), you just need to find it somewhere. For the brave ones I added a full SQL database with more data, such as temperature in the bee hive, humidity etc., but be aware, it's for many more hives and not all the information are complete. It needs some digging.

**Deadline is the end of September. Have fun.**



[https://www.dropbox.com/sh/6uvc1wftww8oko1/AAAeyboR5SV-tIOFd\\_ap8CFxa?dl=0](https://www.dropbox.com/sh/6uvc1wftww8oko1/AAAeyboR5SV-tIOFd_ap8CFxa?dl=0)



Bonus points for submitting the most misleading visualisation ever, demonstrating unrelated correlations or just creating something morally wrong.